

December 25, 2024

VIA Electronic Mail: Zach.Trujillo@state.co.us Mr. Zach Trujillo Environmental Protection Specialist Division of Reclamation, Mining, & Safety Coal Program Support Staff 1313 Sherman Street, RM 215 Denver, Colorado 80203

RE: November 2024 Discharge Monitoring Report Submittal

CDPS Permit #CO-0045161

Colowyo Coal Company, LP - Colowyo Mine

DRMS Mine Permit #C-1981-019

Dear Mr. Trujillo:

Enclosed is the Discharge Monitoring Report (DMR) for the Colowyo Coal Company, LP. (Colowyo) – Colowyo Mine CDPS Permit No. CO-0045161 for November of 2024. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent of Axial Basin Coal Company, which is the general partner of Colowyo Coal Company, L.P. The enclosed November DMRs were submitted electronically through the EPA's NetDMR program.

If you have any questions about the enclosed reports, please contact Andy Berger at 303-254-3171 or Darlene Crosby at 303-254-3055.

Sincerely,

—Docusigned by: Cluris Gilbreath

--- 4BE980BE59E442F...

Chris Gilbreath
Sr. Manager

Remediation and Reclamation

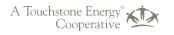
CG:DC

cc: DRMS Representative, Denver, CO

Tony Tennyson (via email)
Jennifer Prokop (via email)
Andy Berger (via email)

File: G471 - 11.3(10)a-9a

Colowyo CF 21.1.2.201



DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	003 External Outfall	Discharge:	003-A Gossard Pond to Wilson Creek		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completic	on				
Alternate limitations for TR iron and se	ettleable solids - see pg 6 and 8. Oil and grease - see	e I.C.1.b, pp 5-6. Report SAR calculated	limit at MLOC=EG; adjusted SAR effluent at MLOC=P.		
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					

Form	NODI:																		
	Parameter	Monitoring Location Season	Param.				Quantity or Lo	oading				Qı	iality or Concentrati	on			# of	Frequency of Analysis	Sample Type
Code	Name	#	NODI		Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	Ex.		
				Sample Permit														02/30 - Twice Per	
00094	Conductivity	1 - Effluent Gross 0		Req.									Req Mon 30DA AVG	i		7B - dS/m	1	Month	GR - Grab
				Value NOD	ı								C - No Discharge						
				Sample															
00400	н	1 - Effluent Gross 0		Permit Req.						>= 6	.5 MINIMUM			<= !	9.0 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
				Value NOD	ı						C - No Discharge				C - No Discharge				
				Sample														00/00 Tuiss Bar	
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross 0		Permit Req.									Req Mon 30DA AVG	i	Req Mon DAILY M	1X 19 - mg/L		02/30 - Twice Per Month	GR - Grab
				Value NOD	ı								C - No Discharge		C - No Discharge				
				Sample															
00530	Solids, total suspended	1 - Effluent Gross 0		Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
00000	Conac, total cacponaca			Value NOD	ı								C - No Discharge		C - No Discharge				
				Sample														02/20 Turing Day	
00918	Calcium, total recoverable	1 - Effluent Gross 0		Permit Req.									Req Mon 30DA AVG	i	Req Mon DAILY M	1X 19 - mg/L		02/30 - Twice Per Month	GR - Grab
	,			Value NOD	ı								C - No Discharge		C - No Discharge				
				Sample														00/00 Tuiss Dan	
00921	Magnesium, total recoverable	1 - Effluent Gross 0		Permit Req.									Req Mon 30DA AVG		Req Mon DAILY M	1X 28 - ug/L		02/30 - Twice Per Month	GR - Grab
				Value NOD									C - No Discharge		C - No Discharge				
				Sample															
				Permit									Req Mon 30DA AVG	i	Req Mon DAILY M	1X 19 - mg/L		02/30 - Twice Per	GR - Grab

00923 Sodium, total recoverable

1 - Effluent Gross 0

					falue NODI	C - No Discharge	C - No Discharge			
		EG - Effluent			Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	U - Ratio	02/30 - Twice Per Month	CA - Calculated
00931	Sodium adsorption ratio	Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit	Req Mon 30DA AVG	Req Mon DAILY MX	U -	02/30 - Twice Per	CA - Calculated
00931	Sodium adsorption ratio	P - See Comments	0		Req. /alue NODI	C - No Discharge	C - No Discharge	Ratio	Month	or calculate
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Sample Permit Req.	Req Mon 30DA AVG		28 - ug/L	02/30 - Twice Per Month	GR - Grab
000.0	THOOMIS, COLAI, 1000 TOTALITO				/alue NODI	C - No Discharge				
					Sample Permit				02/30 - Twice Per	
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Req.	1000.0 30DA AVG <= C - No	6000.0 DAILY MX C - No	9 - mg/L	Month	GR - Grab
					/alue NODI	Discharge	Discharge			
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		'alue NODI	C - No Discharge	C - No Discharge		Wolfiel	
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge		MONTH	
					Sample	Discharge	Discharge			
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
				V	/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge		WOTHT	
					Sample Permit	Day May 20DA AVO		20/	02/30 - Twice Per	GR - Grab
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Req.	Req Mon 30DA AVG		28 - ug/L	Month	GR - Grab
					Sample	Discharge				
01310	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01313	manganese, potentiany dissolva	1 - Emuerit Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
0.105		4 500			Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit		10 0 INCT MAY	0 m=//	77/77 Continues	CD Crah
03582	Oil and grease	1 - Effluent Gross	0		Req.	<=	10.0 INST MAX C - No	9 - mg/L	77/77 - Contingent	GR - Grab
					Sample		Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
3 1202	I manification to the recoverable	2			/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit					IN -

50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Req.	<=	0.82 30DA AVG	Req Mon DAILY MX	03 - MGD				01/30 - Monthly	Instantaneous
				Value NODI		C - No Discharge	C - No Discharge						
				Sample									
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.						Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month	GR - Grab
00200	increasity, textas flow seres,	1 Zilladik Grobb		Value NODI						C - No Discharge			
				Sample									
84066	Oil and grease visual	1 - Effluent Gross	0	 Permit Req.			Req Mon INST MAX	AB - abst=0;prst=1				01/30 - Monthly	VI - Visual
			-	Value NODI			C - No Discharge						
				Sample									
84165	Discharge event observation [Visual	1 - Effluent Gross	0	 Permit Req.		Req Mon 30DA AVG		FP - fail=0;pass=1	Req Mon 30DA ARI		4K - #/mo	01/30 - Monthly	CA - Calculated
51100	Discharge event observation [Visual 1 - Monitoring]	sin Gross		Value NODI		C - No Discharge			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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:02 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit Permit #: CO0045161 Permittee: Colowyo Coal Co LP Facility: **COLOWYO MINE** Major: No **Permittee Address:** PO Box 33695 **Facility Location:** 5731 SOUTH HIGHWAY 13 Denver, CO 80233-0695 MOFFAT COUNTY, CO 81641 **Permitted Feature:** 003 Discharge: 003-Q External Outfall Quarterly Monitoring for 003A Report Dates & Status **DMR Due Date:** From 10/01/24 to 12/31/24 01/28/25 Status: **NetDMR Validated Monitoring Period: Considerations for Form Completion** Quarterly monitoring - see Appendix B, 21, pg 53. **Principal Executive Officer** First Name: Peter A. Title: VP, Environmental Compliance and Policy Telephone: 303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

	Parameter	Monitoring Location	Season #	Param. NODI			Quant	ity 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			
					Sample															
70295	Solids, total dissolved	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI									C - No Discharge						
					Sample															
81020	Sulfate	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L		01/90 - Quarterly	GR - Grab
3.320		225.74 01000			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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

Berger

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information. because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

D	ermi	۴
\mathbf{r}	CIIIII	L

Major:

Permit #: CO0045161

No

003

External Outfall

Permittee: Colowyo Coal Co LP Permittee Address:

PO Box 33695

Denver, CO 80233-0695

Discharge: 003-W

Acute WET Testing for 003A

Report Dates & Status

Permitted Feature:

Monitoring Period: From 10/01/24 to 12/31/24 01/28/25

Status:

Telephone:

Facility:

Facility Location:

NetDMR Validated

303-916-1289

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

See I.D.1 details of test procedure. Report LC50 - Statistical point estimate which is lethal to 50% of test organisms (LC50) and attach acute toxicity test report form to DMR.

DMR Due Date:

Title:

Principal Executive Officer

First Name: Peter A.

Berger

No Data Indicator (NODI)

Last Name:

Form NODI:

FOI III IN															
	Parameter	Monitoring Location	Season # Param. NOD	I .	Quai	ntity or Loading				Qualit	or Concentration		# o	of Ex. Frequency of Analysis	Sample Type
Code	Name				Qualifier 1 Value 1	Qualifier 2 Val	lue 2 Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3 Value 3	Units		
				Sample											
84165	Discharge event observation [Visual Monitoring]	1 - Effluent Gross	0	Permit Req	Req Mon 30DA AV	G	FP - fail=0;pass=1	1			Req Mon MO TOTAL		93 - occur/mo	01/30 - Monthly	CA - Calculated
				Value NOD	C - No Discharge	e					C - No Discharge				
				Sample											
TAM3B	LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia	1 - Effluent Gross	0	Permit Req				>=	100.0 MN VALUE				23 - %	01/90 - Quarterly	GR - Grab
				Value NOD					C - No Discharge						
				Sample											
TAN6C	LC50 Static Renewal 96Hr Acute Pimephales promelas	1 - Effluent Gross	0	Permit Req				>=	100.0 MN VALUE				23 - %	01/90 - Quarterly	GR - Grab
		imephales promelas 1 - Effluent Gross (Value NODI					C - No Discharge						

VP, Environmental Compliance and Policy

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

User:

No attachments.

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Peter Berger Name: E-Mail: aberger@tristategt.org DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	006 External Outfall	Discharge:	006-A Rail Loop/Wilson Creek		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completion	n				
Alternate limitations for TR iron and se	ettleable solids - see pg 10. Oil and grease - see I.C.	1.b, pp 5-6. Report SAR calculated limit a	at MLOC=EG; adjusted SAR effluent at MLOC=P.		
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					

Form NODI:

Parameter	Monitoring Location	Season	Param.				Quantity or						uality or Concentrati				# of Frequency of Analysis	Sample Type
Code Name		#	NODI		Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	Ex.	
				Sample														
00094 Conductivity	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG	i		7B - dS/m	02/30 - Twice Per Month	GR - Grab
,				Value NOD	ı								C - No Discharge					
				Sample Permit														
00400 pH	1 - Effluent Gross	0		Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - Grab
				Value NOD							C - No Discharge				C - No Discharge			
				Sample													00/00 T : D	
00440 Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG	i	Req Mon DAILY M	X 19 - mg/L	02/30 - Twice Per Month	GR - Grab
200.10	. I I I I I I I I I I I I I I I I I I I			Value NOD	ı								C - No Discharge		C - No Discharge			
				Sample														
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	01/30 - Monthly	GR - Grab
Solius, total suspended	1 - Lindent Gross	O .		Value NOD	ı								C - No Discharge		C - No Discharge			
				Sample														
00918 Calcium, total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG	i	Req Mon DAILY M	X 19 - mg/L	02/30 - Twice Per Month	GR - Grab
Guidani, total recoverable	T Email Gross			Value NOD	ı								C - No Discharge		C - No Discharge			
				Sample														
00921 Magnesium, total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG	i	Req Mon DAILY M	X 28 - ug/L	02/30 - Twice Per Month	GR - Grab
magnosium, total recoverable	. Emacin 01033	3		Value NOD	ı								C - No Discharge		C - No Discharge			
				Sample														
00923 Sodium, total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG	3	Req Mon DAILY M	X 19 - mg/L	02/30 - Twice Per Month	GR - Grab

					falue NODI	C - No Discharge	C - No Discharge			
		EG - Effluent			Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	U - Ratio	02/30 - Twice Per Month	CA - Calculated
00931	Sodium adsorption ratio	Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit	Req Mon 30DA AVG	Req Mon DAILY MX	U -	02/30 - Twice Per	CA - Calculated
00931	Sodium adsorption ratio	P - See Comments	0		Req. /alue NODI	C - No Discharge	C - No Discharge	Ratio	Month	or calculate
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Sample Permit Req.	Req Mon 30DA AVG		28 - ug/L	02/30 - Twice Per Month	GR - Grab
000.0	THOOMIS, COLAI, 1000 TOTALITO				/alue NODI	C - No Discharge				
					Sample Permit				02/30 - Twice Per	
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Req.	1000.0 30DA AVG <= C - No	6000.0 DAILY MX C - No	9 - mg/L	Month	GR - Grab
					/alue NODI	Discharge	Discharge			
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		'alue NODI	C - No Discharge	C - No Discharge		Wolfiel	
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge		MONTH	
					Sample	Discharge	Discharge			
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
				V	/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge		WOTHT	
					Sample Permit	Day May 20DA AVO		20/	02/30 - Twice Per	GR - Grab
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Req.	Req Mon 30DA AVG		28 - ug/L	Month	GR - Grab
					Sample	Discharge				
01310	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01313	manganese, potentiany dissolva	1 - Emuerit Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
0.105		4 500			Sample Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit		10 0 INCT MAY	0 m=//	77/77 Continues	CD Crah
03582	Oil and grease	1 - Effluent Gross	0		Req.	<=	10.0 INST MAX C - No	9 - mg/L	77/77 - Contingent	GR - Grab
					Sample		Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
3 1202	I manife total 1000161able	2			/alue NODI	C - No Discharge	C - No Discharge			
					Sample Permit					IN -

50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Req.	<=	0.32 30DA AVG	Req Mon DAILY MX	03 - MGD			01/30 - Monthly	Instantaneous
				Value NODI		C - No Discharge	C - No Discharge					
				Sample								
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.					Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month	GR - Grab
00200	increasity, cottain powering	. Emacin Gross		Value NODI					C - No Discharge			
				Sample								
84066	Oil and grease visual	1 - Effluent Gross	0	 Permit Req.			Req Mon INST MAX	AB - abst=0;prst=1			01/30 - Monthly	VI - Visual
0.000	on and ground from			Value NODI			C - No Discharge					
				Sample								
84165	Discharge event observation [Visual	1 - Effluent Gross	0	 Permit Req.		Req Mon 30DA AVG		FP - fail=0;pass=1	Req Mon 30DA AVG	4K - #/mo	01/30 - Monthly	CA - Calculated
51100	Monitoring]	sin Grood		Value NODI		C - No Discharge			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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit Permit #: CO0045161 Permittee: Colowyo Coal Co LP Facility: **COLOWYO MINE** Major: No **Permittee Address:** PO Box 33695 **Facility Location:** 5731 SOUTH HIGHWAY 13 Denver, CO 80233-0695 MOFFAT COUNTY, CO 81641 **Permitted Feature:** 006 Discharge: 006-Q External Outfall Quarterly Monitoring for 006A Report Dates & Status **DMR Due Date:** From 10/01/24 to 12/31/24 01/28/25 Status: **NetDMR Validated Monitoring Period: Considerations for Form Completion** Quarterly monitoring - see Appendix B, 21, pg 53. **Principal Executive Officer** First Name: Peter A. Title: VP, Environmental Compliance and Policy Telephone: 303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

	Parameter	Monitoring Location	Season #	Param. NODI			Quant	ity 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			
					Sample															
70295	Solids, total dissolved	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI									C - No Discharge						
					Sample															
81020	Sulfate	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L		01/90 - Quarterly	GR - Grab
3.320		225.74 01000			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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

Berger

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

D	ermi	۴
\mathbf{r}	CIIIII	L

Major:

Permit #: CO0045161

No

006

External Outfall

Permittee: Colowyo Coal Co LP

PO Box 33695

Denver, CO 80233-0695

Discharge: 006-W

Permittee Address:

Acute WET Testing for 006A

Report Dates & Status

Permitted Feature:

Monitoring Period: From 10/01/24 to 12/31/24

DMR Due Date: 01/28

01/28/25

Status:

Facility:

Facility Location:

NetDMR Validated

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

See I.D.1 for details of test procedure. Report LC50 - Statistical point estimate which is lethal to 50% of test organisms (LC50) and attach acute toxicity test report form to DMR.

Principal Executive Officer

First Name:

Peter A. Berger Title:

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Form NODI:

Last Name:

	Parameter	Monitoring Location	Season a	# Param. NODI			Quantit	ty or Loadin	g			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		
					Sample												
84165	Discharge event observation [Visual Monitoring]	1 - Effluent Gross	0		Permit Req.	Req	Mon 30DA AVG		FP - fail=0;pa	ss=1			Req Mon MO TOTAL		93 - occur/mo	01/30 - Monthly	CA - Calculated
					Value NODI	C -	No Discharge						C - No Discharge				
					Sample												
TAM3B	LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia	1 - Effluent Gross	0		Permit Req.					>=	100.0 MN VALUE				23 - %	01/90 - Quarterly	GR - Grab
					Value NODI						C - No Discharge						
					Sample												
TAN6C	LC50 Static Renewal 96Hr Acute Pimephales promelas	1 - Effluent Gross	0		Permit Req.					>=	100.0 MN VALUE				23 - %	01/90 - Quarterly	GR - Grab
TAN6C			-		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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695		5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
	010 External Outfall	Discharge:	010-A East Taylor Pond to Taylor Creek		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completion	n				
Alternate limitations for TR iron and se	ettleable solids - see pg 12. Oil and grease - see I.C.	1.b, pp 5-6. Report SAR calculated limit a	at MLOC=EG; adjusted SAR effluent at MLOC=P.		
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				

No Data Indicator (NODI)
Form NODI:

	Parameter	Monitoring Location	Season	Param.					or Loading							Concentration		# of		Sample Type
Code	Name		#	NODI		Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifie 3	Value 3	Units	Ex.	Analysis	
					Sample			_					=	7065.0			7B - dS/m		02/30 - Twice Per Month	GR - Grab
00094	Conductivity	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			7B - dS/m	0	02/30 - Twice Per Month	GR - Grab
					Value NODI															
					Sample							8.1			=	8.2	12 - SU		02/30 - Twice Per Month	GR - Grab
00400	рН	1 - Effluent Gross	0		Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/30 - Monthly	GR - Grab
					Value NODI															
					Sample								=	1130.0	=	1130.0	19 - mg/	/L	02/30 - Twice Per Month	GR - Grab
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/	/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI															
					Sample								=	8.0	=	8.0	19 - mg/	/L	02/30 - Twice Per Month	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/	/L 0	01/30 - Monthly	GR - Grab
					Value NODI															
					Sample									160.5	=	168.0	19 - mg	/L	02/30 - Twice Per Month	GR - Grab
00918	Calcium, total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg	/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI															
					Sample									126.0	=	127.0	19 - mg/	/L	02/30 - Twice Per Month	GR - Grab
00921	Magnesium, total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/	/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI															
					Sample									861.5	=	869.0	19 - mg/	/L	02/30 - Twice Per Month	GR - Grab
					Permit									Req Mon 30DA					02/30 - Twice Per	

00923	Sodium, total recoverable	1 - Effluent Gross	0		Req.						AVG	Req Mon DAILY MX	19 - mg/L 0	Month	GR - Grab
					Value NODI										
					Sample					=	12.5 =	13.0	1U - Ratio	02/30 - Twice Per Month	CA - Calculated
00931	Sodium adsorption ratio	EG - Effluent	0		Permit						Req Mon 30DA	Req Mon DAILY MX	1U -	02/30 - Twice Per	CA - Calculated
		Gross			Req. Value						AVĠ		Ratio	Month	
					NODI Sample						16.0 =	16.0	1U -	02/30 - Twice Per	CA - Calculated
00021	Sodium adsorption ratio	P - See	0		Permit						Req Mon 30DA	Req Mon DAILY MX	Ratio	Month 02/30 - Twice Per	CA - Calculated
00931	Sodium adsorption ratio	Comments	U		Req. Value						AVĞ	Req Mon DAILT MA	Ratio	Month	CA - Calculated
					NODI									02/30 - Twice Per	
					Sample					=	0.76 Req Mon 30DA		28 - ug/L	Month	GR - Grab
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.						AVG		28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI										
					Sample					=	240.0 =	258.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Permit Req.					<=	1000.0 30DA AVG <=	6000.0 DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI										
					Sample					<	15.0 <	15.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.						Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value						AVO			WiOriti	
					NODI Sample					<	0.5 <	0.5	28 - ug/L	02/30 - Twice Per	GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		Permit						Req Mon 30DA	Req Mon DAILY MX	28 - ug/L 0	Month 02/30 - Twice Per	GR - Grab
01304	onver, potentially dissolved	1 - Ellidelli Gloss			Req. Value						AVĞ	req man Bruz i mrk	20 dg/2 0	Month	OIT OIGS
					NODI								"	02/30 - Twice Per	
					Sample Permit					<	2.0 < Req Mon 30DA	2.0	28 - ug/L	Month 02/30 - Twice Per	GR - Grab
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Req.						AVG	Req Mon DAILY MX	28 - ug/L 0	Month	GR - Grab
					NODI									22/22	
					Sample					<	0.25	0.25	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.						Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI										
					Sample					<	20.0		28 - ug/L	02/30 - Twice Per Month	GR - Grab
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.						Req Mon 30DA AVG		28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
					Value NODI										
					Sample					=	697.5 =	698.0	28 - ug/L	02/30 - Twice Per Month	GR - Grab
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit						Req Mon 30DA	Req Mon DAILY MX	28 - ug/L 0	02/30 - Twice Per	GR - Grab
	,, , ,				Req. Value						AVĠ	•		Month	
					NODI Sample					<	0.25 <	0.25	28 - ug/L		
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.						Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 0	02/30 - Twice Per Month	GR - Grab
	, , , , , , , , , , , , , , , , , , , ,		-		Value NODI										
					Sample										
03582	Oil and grease	1 - Effluent Gross	0		Permit Req.						<=	10.0 INST MAX	19 - mg/L	77/77 - Contingent	GR - Grab
					Value NODI							9 - Conditional Monitoring - Not Required This Period			
					Sample					<	20.0 <	20.0	28 - ug/L	02/30 - Twice Per	GR - Grab
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit						Req Mon 30DA	Req Mon DAILY MX	28 - ug/L 0	Month 02/30 - Twice Per	GR - Grab
0 1202	tirraioni total 1800velable				Req. Value						AVĠ	27	_0 ug/L 0	Month	
					NODI	0.222		0.264	02 MOD					02/30 - Twice Per	IN -
					Sample =	0.332	=	0.361	03 - MGD					Month	Instantaneous

50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit <= Req. Value NODI	1.5 30DA AVG		Req Mon DAILY MX	03 - MGD			0	01/30 - Monthly	IN - Instantaneous
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Sample Permit Req. Value					<	0.001 Req Mon 30DA AVG	28 - ug/L 28 - ug/L 0	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - Grab
84066	Oil and grease visual	1 - Effluent Gross	0	 NODI Sample Permit Req. Value NODI		=	0.0 Req Mon INST MAX	AB - abst=0;prst=1 AB - abst=0;prst=1				01/30 - Monthly 01/30 - Monthly	VI - Visual 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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit Permit #: CO0045161 Permittee: Colowyo Coal Co LP Facility: **COLOWYO MINE** Major: No **Permittee Address:** PO Box 33695 **Facility Location:** 5731 SOUTH HIGHWAY 13 Denver, CO 80233-0695 MOFFAT COUNTY, CO 81641 **Permitted Feature:** 010 Discharge: 010-Q External Outfall Quarterly Monitoring for 010A Report Dates & Status **DMR Due Date:** From 10/01/24 to 12/31/24 01/28/25 Status: **NetDMR Validated Monitoring Period: Considerations for Form Completion** Quarterly monitoring - see Appendix B, 21, pg 53. **Principal Executive Officer**

Last Name:

No Data Indicator (NODI)

First Name:

Form NODI:

I OI III IV	ODI.																			
	Parameter	Monitoring Location	Season #	Param. NODI			Quant	tity or Loading						Quality or Concentration	า			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units Qu	alifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample								=	3564.17		1	9 - mg/L		02/30 - Twice Per Month	GR - Grab
70295	Solids, total dissolved	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA GM		1	9 - mg/L	0	01/90 - Quarterly	GR - Grab
1 3200	25, 151a. dibbottod				Value NODI															

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

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.

Title:

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

Peter A.

Berger

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:10 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

D	ΔI	m	iit	
	CI	ш	116	

Major:

Permit #: CO0045161

Permittee:
Permittee Address:

Colowyo Coal Co LP

PO Box 33695

Denver, CO 80233-0695

Facility Location:

Facility:

COLOWYO MINE

5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641

Permitted Feature:

010

Berger

No

External Outfall

010-X

Chronic WET Testing at 010A

Report Dates & Status

Monitoring Period: From 10/01/24 to 12/31/24

01/28/25

Status:

NetDMR Validated

Considerations for Form Completion

See I.D.1 for details of test procedure. Report NOEC using test code "S". Report IC25 using test code "P".

Principal Executive Officer

First Name: Peter A.

Title:

Discharge:

DMR Due Date:

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Form NODI:

Last Name:

--

	Parameter	Monitoring Location	Season #	Param. NODI		Quant	ity or Loading	g			Quality or C	oncentration		# of Ex.	Frequency of Analysis	Sample Typ
Code	Name					Qualifier 1 Value 1	Qualifier 2	Value 2 Units	Qualifier 1	Value 1	Qualifier 2	Value 2 Qualifier 3 Value	3 Units			
					Sample				=	43.1			2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0		Permit Req.					Req Mon SINGSAMP			2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI											
					Sample				=	20.0			2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0		Permit Req.					Req Mon MN VALUE			2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI											
					Sample				>	100.0			2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0		Permit Req.					Req Mon SINGSAMP			2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI											
					Sample				>	100.0			2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0		Permit Req.					Req Mon MN VALUE			2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
1141 00	Ciano Nonomar / Bay Chromo / Imophanos promotas	C Coo Commonto			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

Name	Туре	Size
241107_Colowyo_CO0045161_Outfall010A_Status_Report_Cover_Letter.pdf	pdf	280380.0
Colowyo_CDPS_Permit_CO0045161_WET_Notification_Q4_2024_Outfall010A.pdf	pdf	279782.0
241024 Colowyo Co0045161 WET Test Lab Report.pdf	pdf	5997347.0

Report Last Saved By

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 07:47 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: CO0045161

No

External Outfall

013

Permittee Address:

Permittee:

DMR Due Date:

Colowyo Coal Co LP

PO Box 33695

Denver, CO 80233-0695

Discharge: 013-A

Section 25 Pond to Little Collom Creek

Report Dates & Status

Permitted Feature:

Monitoring Period: From 12/01/24 to 12/31/24

01/28/25

Status:

Facility:

Facility Location:

NetDMR Validated

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 13-14. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Peter A. Berger Title:

VP, Environmental Compliance and Policy

Telephone:

No Data Indicator (NODI)

Form NODI:

Last Name:

-

	Parameter Parameter	Monitoring Location	Season a	# Param. NODI			Qua	ntity or Load	ina				C	uality or Concentrati	on		# of	Ex. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2		Qualifier 3	3 Value 3	Units	za requestoy erranalyele	
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI							6.5 MINIMUM C - No Discharge			<=	9.0 MAXIMUM C - No Discharge	12 - SU	02/30 - Twice Per Month	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	35.0 30DA AVG C - No Discharge		70.0 DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge		6000.0 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 NODI		1 30DA AVG - No Discharge		Req Mon DAILY MX C - No Discharge	03 - MGD								01/30 - Monthly	IN - Instantaneou

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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

Form Approved OMB No. 2040-0004 expires on 07/31/2026 **DMR Copy of Record**

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No		PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	013 External Outfall		013-Q Quarterly Monitoring for 013A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completion	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				

No Data Indicator (NODI)

	ODI: Parameter	Monitoring Location	Season #	Param NODI		Quantity	or Loading			Quality or Con-	centration			# of Fx	Frequency of Analysis	Sample Typ
Code	Name	Monitoring Location	OCUSOII #	r aram. NODI			Qualifier 2 Value 2 Units	Qualifier 1 Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# OI LX.	1 requeriey of Analysis	oampic ry
					Sample											
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.				Re	q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample											
0981	Selenium, total recoverable	1 - Effluent Gross	0		Permit Req.				Re	q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample											
1074	Nickel, total recoverable	1 - Effluent Gross	0		Permit Req.				Re	q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample											
1094	Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.				Red	q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample											
1113	Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req.					q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample											
1118	Chromium, total recoverable	1 - Effluent Gross	0		Permit Req.					q Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge		C - No Discharge				
					Sample				_							
1119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.					q Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge						
					Sample							N DAWYIN	00 //		04/00 0 4 1	00 0 1
1303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.					q Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				С	- No Discharge		C - No Discharge				
					Sample				D -	~ Man 20DA AVO	5	les Mes DAILVIN	20"		04/00 Overstants	CD Curl
1306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.					q Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI				C	- No Discharge		C - No Discharge				
					Sample				_	- M 00D4 AVC		A - Mar DAUNARY	00 "		04/00 000011	00 0 1
1313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Re	q Mon 30DA AVG	R	Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab

				Value NODI	C - No Discharge	C - No Discharge		
				Sample				
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge			
				Sample				
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge		
				Sample				
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge		
				Sample				
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge		
				Sample				
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge		
				Sample				
11123	Manganese, total recoverable	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge			
				Sample				
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	28 - ug/L	01/90 - Quarterly	GR - Grab
	-			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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:06 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #: CO0045161

Permittee:

Discharge:

DMR Due Date:

Facility:

COLOWYO MINE

Major: No

Permittee Address:

PO Box 33695 Denver, CO 80233-0695 Facility Location:

5731 SOUTH HIGHWAY 13

Permitted Feature:

014

Berger

External Outfall

014-ASection 26 Pond to Collom Creek

Colowyo Coal Co LP

MOFFAT COUNTY, CO 81641

Report Dates & Status

Monitoring Period: From 12/01/24 to 12/31/24

01/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 15. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Title:

Principal Executive Officer

First Name: Peter A.

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

	Parameter	Monitoring Location	Season #	# Param. NODI			Qua	ntity or Loadi	ing				Q	uality or Concentration	on		# of	Ex. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	3 Value 3	Units		
00400	рН	1 - Effluent Gross	0		Sample Permit Req.							6.5 MINIMUM			<=		12 - SU	02/30 - Twice Per Month	GR - Grab
					Value NODI Sample							C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=				19 - mg/L	02/30 - Twice Per Month	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge			
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
	,				Value NODI									C - No Discharge		C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Sample Permit Req.	<= 0.4	3 30DA AVG	F	Req Mon DAILY MX	03 - MGD								01/30 - Monthly	IN - Instantaneous
50050	riow, in conduit of tillu treatment plant	i - Eilidelit Gloss	U		Value NODI	С	- No Discharge		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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

Form Approved OMB No. 2040-0004 expires on 07/31/2026 **DMR Copy of Record**

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No		PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	014 External Outfall	Discharge:	014-Q Quarterly Monitoring for 014A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completic	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				

No Data Indicator (NODI)

Chromium, trivalent, potentially dissolvd

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI				or Loading				Quality or Con-				Frequency of Analysis	Sample T
Code	Name					Qualifier 1	Value 1	Qualifier 2 Val	ue 2 Units Qualifier	1 Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
					Sample Permit Reg.							Reg Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab
0978	Arsenic, total recoverable	1 - Effluent Gross	0									·			28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge					
					Sample												
00981	Selenium, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge					
					Sample												
1094	Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge					
					Sample												
)1113	Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge					
					Sample												
)1118	Chromium, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge			
					Sample												
01119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge					
					Sample												
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge			
					Sample												
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge			
					Sample												
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	!	Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge			
					Sample												
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - Grab

				Value NODI	C - No Discharge				
				Sample					
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge			
				Sample					
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge			
				Sample					
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge	C - No Discharge			
				Sample					
11123	Manganese, total recoverable	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG		28 - ug/L	01/90 - Quarterly	GR - Grab
				Value NODI	C - No Discharge				
				Sample					
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.	Req Mon 30DA AVG		28 - ug/L	01/90 - Quarterly	GR - Grab
				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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger

E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #: CO0045161

Permittee:

Discharge:

DMR Due Date:

Facility:

COLOWYO MINE

Major: No Permittee Address:

Facility Location: Denver, CO 80233-0695

5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641

Permitted Feature:

021

Berger

External Outfall

021-A

Sump 1 to Taylor Creek

Colowyo Coal Co LP

PO Box 33695

Report Dates & Status

Monitoring Period: From 12/01/24 to 12/31/24 01/28/25

Status: **NetDMR Validated**

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 15. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name: Peter A. Title:

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring Location	Season #	# Param. NODI			Qua	ntity or Load	ing				Q	uality or Concentrati	on		# o	Ex. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	3 Value 3	Units		
00400	рН	1 - Effluent Gross	0		Sample Permit Req.							6.5 MINIMUM			<=		12 - SU	02/30 - Twice Per Month	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req.								<=	35.0 30DA AVG			19 - mg/L	02/30 - Twice Per Month	GR - Grab
					Value NODI Sample									C - No Discharge		C - No Discharge			
00980	Iron, total recoverable	1 - Effluent Gross	0		Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Sample Permit Req.	<= 1.3	30DA AVG	F	Req Mon DAILY MX	03 - MGD								01/30 - Monthly	IN - Instantaneous
00000	riow, in conduit of this treatment plant	1 Emdent Gross			Value NODI	С	- No Discharge		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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

2024-12-23 15:12 (Time Zone: -07:00) Date/Time:

Report Last Signed By

ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	021 External Outfall	Discharge:	021-Q Quarterly Monitoring for 021A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completion	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP. Environmental Compliance and Policy	Telephone:	303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

Berger

	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ty or Loading				Quality or Cond	centration			# 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			
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:03 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: CO0045161

Permittee Address:

Colowyo Coal Co LP

Facility: **COLOWYO MINE**

No PO Box 33695 Denver, CO 80233-0695

5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641

Permitted Feature: 022

External Outfall

Berger

022-A Sump 2 to Taylor Creek

Report Dates & Status

Monitoring Period: From 12/01/24 to 12/31/24 01/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 17-18. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name: Peter A. Title:

DMR Due Date:

Permittee:

Discharge:

VP, Environmental Compliance and Policy

Telephone:

Facility Location:

303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI			Qua	ntity or Loadi	ing				Q	uality or Concentration	on		# 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	3 Value 3	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	02/30 - Twice Per Month	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	35.0 30DA AVG C - No Discharge	<=	70.0 DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge	<=	6000.0 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 NODI		3 30DA AVG - No Discharge		Req Mon DAILY MX C - No Discharge	03 - MGD								01/30 - Monthly	IN - Instantaneous

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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

2024-12-23 15:13 (Time Zone: -07:00) Date/Time:

Report Last Signed By

ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npack-new-npack-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695		5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	022 External Outfall	Discharge:	022-Q Quarterly Monitoring for 022A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completic	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

Berger

	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ty or Loading				Quality or Cond	centration			# 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			
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2024-12-23 15:13 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: CO0045161

No

023

Berger

Permittee: Permittee Address: Colowyo Coal Co LP

PO Box 33695

Denver, CO 80233-0695

Discharge: 023-A External Outfall

DMR Due Date:

Sump 3 to Taylor Creek

Report Dates & Status

Permitted Feature:

Monitoring Period: From 12/01/24 to 12/31/24 01/28/25

Status:

Facility:

Facility Location:

NetDMR Validated

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 19-20. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Title:

Principal Executive Officer

First Name: Peter A.

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring Location	Season #	# Param. NODI		Quantity or Loading				Quality or Concentration							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	3 Value 3	Units		
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI							6.5 MINIMUM C - No Discharge			<=	9.0 MAXIMUM C - No Discharge	12 - SU	02/30 - Twice Per Month	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI									35.0 30DA AVG C - No Discharge			19 - mg/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge		6000.0 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 NODI		4 30DA AVG - No Discharge		Req Mon DAILY MX C - No Discharge	03 - MGD								01/30 - Monthly	IN - Instantaneous

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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

2024-12-23 15:13 (Time Zone: -07:00) Date/Time:

Report Last Signed By

ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npack-need-to-the-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No		PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	023 External Outfall	Discharge:	023-Q Quarterly Monitoring for 023A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completion	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A	Title:	VP Environmental Compliance and Policy	Telephone:	303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

Berger

	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ty or Loading				Quality or Cond	entration			# 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			
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2024-12-23 15:14 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: CO0045161

Permittee Address:

Colowyo Coal Co LP

PO Box 33695

Denver, CO 80233-0695

024
External Outfall

Discharge:

024-A
Sump 4

Sump 4 to Taylor Creek

Report Dates & Status

Permitted Feature:

Monitoring Period: From 12/01/24 to 12/31/24

No

Berger

01/28/25

Status:

Facility:

Facility Location:

NetDMR Validated

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 20-21. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name: Peter A.

Title:

DMR Due Date:

Permittee:

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter Parameter	Monitoring Location	Season a	# Param NODI			Qua	ntity or Load	lina				C	uality or Concentrati	on		# of	Ex. Frequency of Analysis	Sample Type
Code	Name	monnioning <u></u>				Qualifier 1	Value 1	Qualifier 2		Units	Qualifier 1	Value 1	Qualifier 2		Qualifier 3	3 Value 3	Units	za requestoy erranalyele	
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI							6.5 MINIMUM C - No Discharge			<=	9.0 MAXIMUM C - No Discharge	12 - SU	02/30 - Twice Per Month	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	35.0 30DA AVG C - No Discharge		70.0 DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge		6000.0 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 NODI		12 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	03 - MGD								01/30 - Monthly	IN - Instantaneou

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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:05 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npack-new-npack-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	024 External Outfall	Discharge:	024-Q Quarterly Monitoring for 024A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completic	on				
Quarterly monitoring - see Appendix E	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

Berger

	Parameter	Monitoring Location	Season #	Param. NODI				y or Loading				Quality or Conc				# of Ex.	Frequency of Analysis	Sample Typ
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2 Units	Qualifier 1 Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample										"			
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2024-12-23 15:14 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: CO0045161

No

Permittee Address:

Permittee:

DMR Due Date:

Colowyo Coal Co LP

PO Box 33695 Denver, CO 80233-0695

Discharge: 025-A

Sump 5 to Taylor Creek

Report Dates & Status

Permitted Feature:

Monitoring Period: From 12/01/24 to 12/31/24 01/28/25

Status:

Facility:

Facility Location:

NetDMR Validated

COLOWYO MINE

5731 SOUTH HIGHWAY 13

MOFFAT COUNTY, CO 81641

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 21-22. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name: **Last Name:**

Peter A. Berger

025

External Outfall

Title:

VP, Environmental Compliance and Policy

Telephone:

303-916-1289

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	# Param. NODI			Qua	ntity or Loadi	ng				Q	uality or Concentration	on		# 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	3 Value 3	Units		
00400	рН	1 - Effluent Gross	0		Sample Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	35.0 30DA AVG C - No Discharge		70.0 DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - Grab
00980	Iron, total recoverable	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge		6000.0 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 NODI		6 30DA AVG - No Discharge		Req Mon DAILY MX C - No Discharge	03 - MGD								01/30 - Monthly	IN - Instantaneous

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.

User:

Report Last Saved By

Colowyo Coal Co LP

JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Report Last Signed By

ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org
Date/Time: 2025-01-09 15:35 (Time Zone: -07:00)

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npack-need-to-the-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	025 External Outfall	Discharge:	025-Q Quarterly Monitoring for 025A		
Report Dates & Status					
Monitoring Period:	From 10/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Completic	on				
Quarterly monitoring - see Appendix B	3, 21, pg 53.				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP. Environmental Compliance and Policy	Telephone:	303-916-1289

No Data Indicator (NODI)

Last Name:

Form NODI: --

Berger

	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ty or Loading	J			Quality or Cond	entration			# of Ex.	Frequency of Analysis	Sample Typ
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2 Units	Qualifier 1 Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge						
					Sample													
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI							C - No Discharge		C - No Discharge				
					Sample													
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.							Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - Grab
					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 Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Report Last Signed By

User: ABERGER@TRISTATEGT.ORG

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	027 External Outfall	Discharge:	027-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Con	npletion			·	
There will be alternate limits for	>10yr/24hr precipitaion event				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger			·	
No Data Indicator (NODI)					
Form NODI:					
Danamatan	Manitarina Lagatian Casas	n # Davers NODI	Oversity on Leading	vality as Canaastration	# of Ex. Exemples of Applyois Comple Type

Parameter	Monitoring Location	Season #	# Param. NODI				uantity or Loading					Q	uality or Concentration				# of Ex. Frequency of Analysis Sample Typ
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	
				Sample Permit Req						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
00400 pH	1 - Effluent Gross	0								>=				\=		12 - 30	02/30 - Twice Fel World GR - Glab
				Value NOD							C - No Discharge				C - No Discharge		
				Sample Permit Req								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month GR - Grab
00530 Solids, total suspended	1 - Effluent Gross	0										\ <u>-</u>		<=	C - No Discharge	-	02/30 - Twice Fel Month GR - Glab
				Value NOD									C - No Discharge		C - No Discharge		
				Sample Permit Req									Reg Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
00940 Chloride [as Cl]	1 - Effluent Gross	0											C - No Discharge			19 - IIIg/L	02/30 - Twice Fel Month GK - Glab
				Value NOD									C - No Discharge				
				Sample Permit Req									Reg Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
00978 Arsenic, total recoverable	1 - Effluent Gross	0											·			26 - ug/L	02/30 - Twice Fel Month GR - Glab
				Value NOD									C - No Discharge				
				Sample Permit Req								<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	29 μα/Ι	02/30 - Twice Per Month GR - Grab
00980 Iron, total recoverable	1 - Effluent Gross	0										~ =		< =			02/30 - Twice Fel Month GR - Glab
				Value NOD									C - No Discharge		C - No Discharge		
				Sample Permit Req									Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
01074 Nickel, total recoverable	1 - Effluent Gross	0											·			26 - ug/L	02/30 - Twice Fel Month GR - Glab
				Value NOD									C - No Discharge				
				Sample Permit Req											Reg Mon DAILY MX	29 μα/Ι	02/30 - Twice Per Month GR - Grab
01113 Cadmium, total recoverable	1 - Effluent Gross	0													·		02/30 - Twice Fel Month GR - Glab
				Value NOD											C - No Discharge		
				Sample Permit Req											Reg Mon DAILY MX	29 μα/	02/30 - Twice Per Month GR - Grab
01114 Lead, total recoverable	1 - Effluent Gross	0													·		02/30 - Twice Per Month GR - Grab
				Value NOD											C - No Discharge		
				Sample Permit Req									Req Mon 30DA AVG		Reg Mon DAILY MX	29 μα/	02/30 - Twice Per Month GR - Grab
01220 Chromium, hexavalent dissolved [as C	r] 1 - Effluent Gross	0											·				02/30 - I WICE FEI IVIOITIII GR - GIAD
				Value NOD									C - No Discharge		C - No Discharge		
				Sample									Dec Men 20DA AVO		Dea Man DAII V MV	20/!	00/00 Turing Day Month CD Cont
01303 Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG		Req Mon DAILY MX	∠8 - ug/L	02/30 - Twice Per Month GR - Grab

					Value NODI				C - No Discharge	C - No Discharge	
					Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month OK - Grab
					Sample				3 No 2.00.114.gc	C Tto Discharge	
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Value NODI				C - No Discharge	C - No Discharge	
					Sample						
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Sample Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01314	Circumum, trivalent, potentially dissolve	1 - Liliuelli Gioss	U		Value NODI				C - No Discharge	C - No Discharge	
					Sample						
01318	Lead, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
					Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0		Value NODI				C - No Discharge	C - No Discharge	02/30 Twice Fer Month Six Grab
					Sample				0 110 2.001.u.i.gc	C I to Dissilarge	
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
	,				Value NODI				C - No Discharge	C - No Discharge	
					Sample						
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Permit Req. Value NODI				Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX 28 - ug/L C - No Discharge	02/30 - Twice Per Month GR - Grab
					Sample				C - No Discharge	C - No Discharge	
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
04202	omomum, mvalent total recoverable	1 Emach Gross			Value NODI				C - No Discharge	C - No Discharge	
					Sample						
22708	Uranium, total	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge		
		. =			Sample Permit Req. <=	4.75 30DA AVG	Reg Mon DAILY MX 03	3 - MGD			01/30 - Monthly IN - Instantaneous
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Value NODI	C - No Discharge	C - No Discharge				
					Sample						
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge		
					Sample Permit Box				Reg Mon 30DA AVG	10//	02/20 Tuigo Dor Month CD Crah
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0		Permit Req. Value NODI				C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - Grab
					Sample				O - NO Discharge		
82057	Boron, total	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
5_557					Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2024-12-23 15:15 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit																				
Permit #:		CO0045161	P	ermittee:		Co	olowyo Coal Co	LP							Facility:		COI	OWYO	MINE	
Major:		No	Po	ermittee Add	dress:		O Box 33695 enver, CO 80233	3-0695							Facility I	ocation:			H HIGHWAY 13 OUNTY, CO 81641	
Permitted	l Feature:	028 External Outfall	Di	ischarge:			?8-A ormwater discha	arge from hau	ıl road (between	coal pre	paration fac	ilities)								
Report Da	ates & Status																			
Monitorin	g Period:	From 12/01/24 to 12/31/24	D	MR Due Date	e:	01	/28/25								Status:		Net	DMR Va	lidated	
Consider	ations for Form Com	pletion																		
There will	be alternate limits for	>10yr/24hr precipitaion event																		
Principal	Executive Officer																			
First Nam	ie:	Peter A.	Ti	itle:		VF	P, Environmenta	l Compliance	and Policy						Telepho	ne:	303	-916-128	39	
Last Nam	e:	Berger													·					
No Data I	ndicator (NODI)																			
Form NO	DI:																			
	Parameter	Monitoring Location	Season #	Param. NODI			Qua	antity or Loadii	ng				Qua	ality or Concentrat	ion			# of Ex.	Frequency of Analysis	Sample Typ
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample															

	Parameter	Monitoring Location	Season #	Param. NODI			Qua	antity or Loading	9				Qu	ality 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	
					Sample													
00400	pH	1 - Effluent Gross	0		Permit Req						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
					Value NOD							C - No Discharge				C - No Discharge		
					Sample													
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req								<= 3	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	. 02/30 - Twice Per Month GR - Grab
					Value NOD	ı								C - No Discharge		C - No Discharge		
					Sample													
00940	Chloride [as Cl]	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG			19 - mg/L	. 02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge				
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD	I								C - No Discharge				
					Sample													
00980	Iron, total recoverable	1 - Effluent Gross	0		Permit Req								<= 3	3000.0 30DA AVG	<=		28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge		C - No Discharge		
					Sample													
01074	Nickel, total recoverable	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge				
					Sample													
01113	Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req											Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD											C - No Discharge		
					Sample													
01114	Lead, total recoverable	1 - Effluent Gross	0		Permit Req											Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD											C - No Discharge		
					Sample													
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge		C - No Discharge		
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
	•																	

			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304 Silver, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month Git - Grab
							C - No Discharge	C - No Discharge	
	. =		Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01306 Copper, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 Twice Fer Month Six Glab
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01313 Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	ozoo Twoo For Monail Or Oras
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01314 Chromium, trivalent, potentially dissolve	1 - Effluent Gross	0					C - No Discharge	C - No Discharge	02/30 TWICCT CHINOHIII CIK GIAD
			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Reg.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01318 Lead, potentially dissolvd	1 - Effluent Gross	0	 •				·		02/30 - Twice Fel Month GR - Glab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample				Day May 200DA AV/O	Day May DAII V MV 00	00/00 Tailes Bar Marsh OD Orch
01319 Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01322 Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01323 Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
04262 Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
22708 Uranium, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req. <=	2.31 30DA AVG	Req Mon DAILY MX 0	3 - MGD			01/30 - Monthly IN - Instantaneous
			Value NODI	C - No Discharge	C - No Discharge				
			Sample						
50286 Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
51202 Sulfide-hydrogen sulfide [undissociated	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
82057 Boron, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	029 External Outfall	Discharge:	029-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Com	pletion				
There will be alternate limits for	>10yr/24hr precipitaion event				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					

Monitoring Location	Season #	Param. NODI					•									# of Ex. Frequency of Analysis Sample Typ
			Comple	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualitier 3	Value 3	Units	
4 - F#1									>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
1 - Effluent Gross	U										9					
			Sample													
1 - Effluent Gross	0										<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI									C - No Discharge		C - No Discharge		
			Sample													
1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI	1								C - No Discharge				
			Sample Permit Peg									Reg Mon 30DA AVG			28 - ug/l	02/30 - Twice Per Month GR - Grab
1 - Effluent Gross	0											·			20 - ug/L	02/30 - Twice Fer World OK - Grab
												C - No Discharge				
. =====================================											<=	3000 0 30DA AVG	<=	6000 0 DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
1 - Effluent Gross	0														-	
			Sample									3		ŭ		
1 - Effluent Gross	0											Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
1 - Lindent Gloss	U		Value NODI									C - No Discharge				
			Sample													
1 - Effluent Gross	0		Permit Req.											Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI											C - No Discharge		
			Sample													
1 - Effluent Gross	0													·		02/30 - Twice Per Month GR - Grab
			Value NODI											C - No Discharge		
			Sample									D = 1 M = 1 00D A 41/0		Daw Mare DAIL VANV	00 "	20/20 Tailes Bas Marth, CD, C, I
1 - Effluent Gross	0		Permit Req.									Red Mon 30DA AVG		Red Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
1 - Effluent Gross 0	*		Value NODI									C - No Discharge		C - No Discharge		
	1 - Effluent Gross 1 - Effluent Gross	1 - Effluent Gross 0 1 - Effluent Gross 0	1 - Effluent Gross 0 1 - Effluent Gross 0	Value NODI 1 - Effluent Gross 0 Sample Permit Req Value NODI 1 - Effluent Gross 0 Sample 2 Sample 2 Sample 2 Sample 2 Sample 3 Sample 4 Sample 4 Sample 5 Sample 7 Sample 9 Sample 9 Sample 1 - Effluent Gross 0 Sample 1 - Effluent Gross 0 Sample 1 - Effluent Gross 0 Sample	Qualifier 1 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI 1 - Effluent Gross 0 Sample Permit Req. Value NODI Sample	Sample 1 - Effluent Gross 0 Sample 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI Sample Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI Sample 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI 1 - Effluent Gross 0 Permit Req. Value NODI Sample 1 - Effluent Gross 0 Permit Req. Value NODI Sample 1 - Effluent Gross 0 Permit Req. Value NODI Sample 1 - Effluent Gross 0 Permit Req. Value NODI Sample Sample 1 - Effluent Gross 0 Permit Req. Value NODI Sample Sample Sample Sample	1 - Effluent Gross 0 Sample Permit Req.	Comparison of	Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Sample Permit Req.	Caulifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1	1 - Effluent Gross 0	1 - Effluent Gross 0	C - No Discharge Sample Sample	1 - Effluent Gross 0	1 - Effluent Gross 0

Permit Reg.

1 - Effluent Gross 0

01303 Zinc, potentially dissolved

Req Mon 30DA AVG

Req Mon DAILY MX 28 - ug/L

02/30 - Twice Per Month GR - Grab

			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304 Silver, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month Six - Grab
							C - No Discharge	C - No Discharge	
	. =		Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01306 Copper, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 Twice Fer Month Six Glab
							C - NO Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01313 Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	ozoo Twoo For Monail Or Oras
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01314 Chromium, trivalent, potentially dissol	d 1 - Effluent Gross	0					C - No Discharge	C - No Discharge	02/30 TWICCT CHINOHIII CIK GIAD
			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Reg.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01318 Lead, potentially dissolvd	1 - Effluent Gross	0					·		02/30 - Twice Fel Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample Sample				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01319 Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.						02/30 - Twice Fel Month GR - Glab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample				Day May 20DA AVO	Day May DAII V MV 00	00/00 Tailes Bar Marth OD Orch
01322 Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01323 Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
04262 Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
22708 Uranium, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
50050 Flow, in conduit or thru treatment plan	1 - Effluent Gross	0	 Permit Req. <=	0.375 30DA AVG	Req Mon DAILY MX 0	03 - MGD			01/30 - Monthly IN - Instantaneous
			Value NODI	C - No Discharge	C - No Discharge				
			Sample						
50286 Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
51202 Sulfide-hydrogen sulfide [undissociate	d] 1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
82057 Boron, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2024-12-23 15:16 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Value NODI Value NODI C - No Discharge D - Market D - Mar	control	or this information, the ac number in any correspo	ccuracy of the provious ondence. Do not sen	ded burden estimated for the completed for the completed for the completed for the completed for the complete described in	tes and a orm to thi	any suggeste iis address.	ed methods	s for minin	mizing respondent I	ourden to t	the Regulatory Si	ipport Divi	sion Direc	tor, U.S. Environ	mental Pro	otection Agency (282	11), 1200	Pennsylvania Ave	., NW, Washin	gton, D.C. 20460. Include the OMB
Signation	Permit																			
Second District Second Dis	Permit	#:	CO0045161		F	Permittee:			Colowyo Coal Co	LP							Facility	:	COLOWY	O MINE
Second Perior Second Perio	Major:		No		F	Permittee Ad	ddress:			3-0695							Facility	Location:		
Mailange Principe Principe	Permitt	ed Feature:			[Discharge:				arge from h	haul road (betwee	en coal pre	paration f	acilities)						
Considerations for Form Conjection Form Conj	Report	Dates & Status																		
Part	Monito	ring Period:	From 12/01/24 to	12/31/24	0	DMR Due Da	ite:		01/28/25								Status:		NetDMR \	Validated
Pricing Series Pricing Series	Consid	lerations for Form Com	pletion																	
First Part	There w	vill be alternate limits for	>10yr/24hr precipita	aion event																
Second S	Princip	al Executive Officer																		
No interview No i	First Na	ame:	Peter A.		1	Title:			VP, Environmenta	l Compliar	nce and Policy						Telepho	one:	303-916-1	289
Parameter Para	Last Na	ame:	Berger																	
Second S	No Data	a Indicator (NODI)			·															
Name	Form N	IODI:																		
Part				Monitoring Location	Season	# Param. NOD	l .													x. Frequency of Analysis Sample Type
Philosophysical Philosophysi	Code	Name	•				Sample	Qualifier	1 Value 1	Qualifier 2	2 Value 2	Units	Qualifier	1 Value 1	Qualifie	r 2 Value 2	Qualifier 3	Value 3	Units	
Solids, total suspended 1-Effluent Gross 2-Effluent Gross 2-Ef	00400	nH		1 - Effluent Gross	0			1.					>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
Solida Superior Solida Sup	00.00	p					Value NOD) I						C - No Discharg	е			C - No Discharge		
							Sample													
Sample Chloride [as Ci] 1 - Effluent Gross 2 2 2 2 2 2 2 2 2	00530	Solids, total suspended		1 - Effluent Gross	0										<=		<=		19 - mg/L	02/30 - Twice Per Month GR - Grab
Composition							Value NOD) I								C - No Discharge		C - No Discharge		
Value NODI Val																Reg Mon 30DA AVG			19 - mg/l	02/30 - Twice Per Month, GP - Grah
Name Cambium, total recoverable 1 - Effluent Gross 1 - Effluent Gross 2 - 28 - 19 - 28	00940	Chloride [as Cl]		1 - Effluent Gross	0											·			19 - Hig/L	02/30 - Twice Fel Month GR - Glab
Arsenic, total recoverable 1 - Effluent Gross 0								1								0 - No Discharge				
Note	00078	Areanic total recoverab	alo.	1 - Effluent Gross	0			1.								Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
1 - Effluent Gross 1 - Effluent Gross 2 - Permit Req. 2 - 3000.0 30DA AVG 4 - 6000.0 DAILY MX 28 - ug/L 28 - ug/L 20/30 - Twice Per Month GR - Grabe 28 - ug/L 29/30 - Twice Per Month GR - Grabe 28 - ug/L 28 - ug/L 29/30 - Twice Per Month GR - Grabe 28 - ug/L 29/30 - Twice Per Month GR - Grabe 28 - ug/L 28 - ug/	00370	Arsenic, total recoverat	ne .	1 - Lindent Gloss	U		Value NOD) I								C - No Discharge				
Value NODI Thickel, total recoverable 1 - Effluent Gross 0							Sample													
Nickel, total recoverable 1 - Effluent Gross 0	00980	Iron, total recoverable		1 - Effluent Gross	0		Permit Req	Į.							<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01074 Nickel, total recoverable 1 - Effluent Gross 0							Value NOD	I								C - No Discharge		C - No Discharge		
Value NODI O1113 Cadmium, total recoverable 1 - Effluent Gross O																				
Cadmium, total recoverable 1 - Effluent Gross 0 Sample Permit Req. Value NODI C - No Discharge Sample C Value NODI	01074	Nickel, total recoverable	•	1 - Effluent Gross	0														28 - ug/L	02/30 - Twice Per Month GR - Grab
O1113 Cadmium, total recoverable 1 - Effluent Gross O Permit Req. Value NODI O2/30 - Twice Per Month GR - Grab								01								C - No Discharge				
Value NODI C - No Discharge																		Rea Mon DAII Y MY	28 - ug/l	02/30 - Twice Per Month, GR - Grah
	01113	Cadmium, total recover	able	1 - Effluent Gross	0														20 ug/L	02.00 TWICE FOR MORELL OIK - GIAD
																		C 110 Discharge		

Permit Req.

Value NODI

Sample

Permit Req.

Value NODI

Sample

Permit Req.

1 - Effluent Gross 0

1 - Effluent Gross 0

1 - Effluent Gross 0

01114 Lead, total recoverable

01303 Zinc, potentially dissolved

01220 Chromium, hexavalent dissolved [as Cr]

Req Mon DAILY MX 28 - ug/L

Req Mon DAILY MX 28 - ug/L

Req Mon DAILY MX 28 - ug/L

C - No Discharge

C - No Discharge

Req Mon 30DA AVG

C - No Discharge

Req Mon 30DA AVG

02/30 - Twice Per Month GR - Grab

02/30 - Twice Per Month GR - Grab

02/30 - Twice Per Month GR - Grab

				Value NODI				C - No Discharge	C - No Discharge	
				Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month OK - Grab
				Sample				3 2.100.11.0.1gc	5 116 2 18811a.igc	
01306	Copper, potentially dissolved	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NODI				C - No Discharge	C - No Discharge	
				Sample						
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX 28 - ug/L C - No Discharge	02/30 - Twice Per Month GR - Grab
				Value NODI Sample				C - No Discharge	C - No Discharge	
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01014	Cinomium, invalent, potentially dissolve	1 - Ellidelli Gloss		Value NODI				C - No Discharge	C - No Discharge	
				Sample						
01318	Lead, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NODI				C - No Discharge	C - No Discharge	
04040	Manusanas materially discaled	4 F#Iwant Crass	0	Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01319	Manganese, potentially dissolvd	1 - Effluent Gross	U	 Value NODI				C - No Discharge	C - No Discharge	
				Sample						
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NODI				C - No Discharge	C - No Discharge	
				Sample Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fel Month OK - Grab
				Sample				O No Bloomarge	C 110 Districting	
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
	,			Value NODI				C - No Discharge	C - No Discharge	
				Sample						
22708	Uranium, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NODI Sample				C - No Discharge		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req. <=	2.53 30DA AVG	Req Mon DAILY MX 03 -	MGD			01/30 - Monthly IN - Instantaneous
00000	rion, in conduct of and a common plant	1 Emacin Groce		Value NODI	C - No Discharge	C - No Discharge				
				Sample						
50286	Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NODI				C - No Discharge		
E1202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross		Sample Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
51202	Sumue-nyurogen sumue [unurssociated]	i - Emuerit Gross	U	 Value NODI				C - No Discharge		
				Sample						
82057	Boron, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
				Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npapersons.org/npapersons-npa

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	031 External Outfall	Discharge:	031-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Com	npletion				
There will be alternate limits for	>10yr/24hr precipitaion event				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					

Form NODI: Parameter	Monitoring Location	Season	# Param NODI				Quantity or Loadin	a				Ou	ality or Concentrati	on			# of Ex. Frequency of Analysis Sample Type
Code Name	Monitoring Location	Ocason	r aram. NODI		Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier :	3 Value 3	Units	wor Ex. 1 requeries of Analysis Cample Type
Taine				Sample		70.00	444111012	74.40 =	00	- Laurino			74140 2	4,000,000	1 4140 0	00	
00400 pH	1 - Effluent Gross	0		Permit Req						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
рп	1 - Lindent Gloss			Value NOD							C - No Discharge				C - No Discharge		
				Sample													
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month GR - Grab
•				Value NOD									C - No Discharge		C - No Discharge		
				Sample													
00940 Chloride [as CI]	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
				Value NOD	ı								C - No Discharge				
				Sample												"	
00978 Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NOD									C - No Discharge				
				Sample									2000 0 000 4 41/0		0000 0 DAILY MY	00/	20/00 Tuiss DanManth OD Oash
00980 Iron, total recoverable	1 - Effluent Gross	0		Permit Req									3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
				Value NOD	I								C - No Discharge		C - No Discharge		
				Sample Permit Req									Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
01074 Nickel, total recoverable	1 - Effluent Gross	0											-			20 - ug/L	02/30 - Twice Fer World Giv - Glab
				Value NOD									C - No Discharge				
	. ====			Sample Permit Req											Req Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
01113 Cadmium, total recoverable	1 - Effluent Gross	0		Value NOD													ozygo i wigo i di wighan Gik Grab
															C - No Discharge		
				Sample Permit Reg											Req Mon DAILY MX	20	02/30 - Twice Per Month GR - Grab
01114 Lead, total recoverable	1 - Effluent Gross	0															02/30 - Twice Per Month GR - Grab
				Value NOD											C - No Discharge		
				Sample									D M 00DA AVO		Dan Man DAILWAY	00/	20/00 Tuiss Dan Manth OD Oash
01220 Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG		Req Mon DAILY MX		02/30 - Twice Per Month GR - Grab
				Value NOD									C - No Discharge		C - No Discharge		
				Sample													
01303 Zinc. potentially dissolved	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab

01303 Zinc, potentially dissolved

1 - Effluent Gross 0

					Value NODI				C - No Discharge	C - No Discharge	
					Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month OK - Grab
					Sample				J.ss.na.gs	C 110 Dissilarge	
01306	Copper, potentially dissolved	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
					Sample						
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI Sample				C - No Discharge	C - No Discharge	
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01014	Omomum, trivalent, potentially dissolve	1 - Lindent Gross			Value NODI				C - No Discharge	C - No Discharge	
					Sample						
01318	Lead, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
04040	Management instantially discalled	4 Effluent Cross	0		Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01319	Manganese, potentially dissolvd	1 - Effluent Gross	U		Value NODI				C - No Discharge	C - No Discharge	
					Sample				-		
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
					Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0		Value NODI				C - No Discharge	C - No Discharge	02/30 TWICE FEI MONITH ON GIAD
					Sample					- via - veerimige	
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge	C - No Discharge	
					Sample				Dog Man 20DA AVC	20//	02/20 Turing Day Marsh CD, Cash
22708	Uranium, total	1 - Effluent Gross	0		Permit Req. Value NODI				Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Sample				O - No Discharge		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req. <=	0.704 30DA AVG	Req Mon DAILY MX	03 - MGD			01/30 - Monthly IN - Instantaneous
	, ,				Value NODI	C - No Discharge	C - No Discharge				
					Sample						
50286	Mercury, total [low level]	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge		
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0		Sample Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
31202	Sumde-nydrogen sumde [undissociated]	i - Emuerit Gross	U		Value NODI				C - No Discharge		
					Sample						
82057	Boron, total	1 - Effluent Gross	0		Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
					Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	032 External Outfall	Discharge:	032-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Com	npletion				
There will be alternate limits for	>10yr/24hr precipitaion event				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					
Form NODI:	-				

Parameter	Monitoring Location	Season	# Param. NODI			Qı	uantity or Loading	3				G	Quality or Concentration	n		#	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	
				Sample							6.5 MINIMUM				9.0 MAXIMUM	40 011	02/30 - Twice Per Month GR - Grab
00400 pH	1 - Effluent Gross	0		Permit Req						>=				<=		12 - SU	02/30 - Twice Per Month GR - Grab
				Value NOD	ı						C - No Discharge				C - No Discharge		
				Sample Permit Reg									35.0 30DA AVG		70.0 DAILY MX	40/1	02/30 - Twice Per Month GR - Grab
00530 Solids, total suspended	1 - Effluent Gross	0										<=		<=		19 - mg/L	02/30 - Twice Per Month GR - Grab
				Value NOD	1								C - No Discharge		C - No Discharge		
				Sample Permit Reg									Reg Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
00940 Chloride [as CI]	1 - Effluent Gross	0											·			19 - IIIg/L	02/30 - Twice Per Month GR - Grab
				Value NOD	ı								C - No Discharge				
				Sample Permit Red									Reg Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
00978 Arsenic, total recoverable	1 - Effluent Gross	0											·			20 - ug/L	02/30 - Twice Fel Month GR - Glab
				Value NOD	ı								C - No Discharge				
				Sample Permit Reg								<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
00980 Iron, total recoverable	1 - Effluent Gross	0		Value NOD									C - No Discharge	<u></u>	C - No Discharge	20 - ug/L	02/30 - Twice Fer Month Oft - Grab
					1								C - No Discharge		C - No Discharge		
				Sample Permit Reg									Reg Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
01074 Nickel, total recoverable	1 - Effluent Gross	0		Value NOD									C - No Discharge			20 dg/L	02/30 TWICE FOR MORIAIT CITY GIAB
													C - No Discharge				
	. =			Sample Permit Reg											Req Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
01113 Cadmium, total recoverable	1 - Effluent Gross	0		Value NOD											C - No Discharge		SENSE TWISE FOR INIGHAL SIX SIAB
															C - No Discharge		
04444	4 541	0		Sample Permit Req											Reg Mon DAILY MX	28 - ua/L	02/30 - Twice Per Month GR - Grab
01114 Lead, total recoverable	1 - Effluent Gross	0		Value NOD											C - No Discharge	20 ug/2	52/65 1 11166 1 61 11161 1111 61 1
				Sample											O No Discharge		
04220	4 F#Iant C			Permit Reg									Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01220 Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	U		Value NOD									C - No Discharge		C - No Discharge	g-	
													O 140 Discharge		O No Discharge		
				Sample Permit Reg									Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01303 Zinc, potentially dissolved	1 - Effluent Gross	0														~	

			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304 Silver, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month Git - Grab
							C - No Discharge	C - No Discharge	
	. =		Sample Permit Req.				Req Mon 30DA AVG	Reg Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01306 Copper, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 Twice Fer Month Six Glab
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Reg Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01313 Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	ozoo Twoo For Monair Ork Grab
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01314 Chromium, trivalent, potentially dissolve	1 - Effluent Gross	0					C - No Discharge	C - No Discharge	02/30 TWICCT CHINOHIII CIK GIAD
			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Reg.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
1318 Lead, potentially dissolvd	1 - Effluent Gross	0					·		02/30 - Twice Fel Month GR - Glab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample				Day May 20DA AVO	Dan Mari Dall V MV 00 mm/l	00/00 Tailes Bar Marsh OD Orch
01319 Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01322 Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01323 Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
04262 Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
22708 Uranium, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L 02/30 - Twice Pe	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req. <=	2.31 30DA AVG	Req Mon DAILY MX 0	3 - MGD			01/30 - Monthly IN - Instantaneous
			Value NODI	C - No Discharge	C - No Discharge				
			Sample						
50286 Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
51202 Sulfide-hydrogen sulfide [undissociated	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
82057 Boron, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the non-business email address), confidential business information (e.g., non-business cell phone number or non

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	033 External Outfall	Discharge:	033-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Status					
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for Form Com	pletion				
There will be alternate limits for	>10yr/24hr precipitaion event				
Principal Executive Officer					
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (NODI)					

Parameter	Monitoring Location	Season #	Param, NODI	ODI Quantity or Loading									# of Ex. Frequency of Analysis Sample Type				
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	ality or Concentration Value 2	Qualifier 3	Value 3	Units	
				Sample													
00400 pH	1 - Effluent Gross	0]	Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
·				Value NODI							C - No Discharge				C - No Discharge		
00530 Solids, total suspended				Sample													
	1 - Effluent Gross	0		Permit Req.									35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month GR - Grab
				Value NODI									C - No Discharge		C - No Discharge		
				Sample									D M 00D A AVO			40/	20/20 Tuise Per Marth, OR, Orek
0940 Chloride [as Cl]	1 - Effluent Gross	0		Permit Req.									Req Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
				Value NODI									C - No Discharge				
				Sample Permit Reg.									Reg Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
00978 Arsenic, total recoverable	1 - Effluent Gross	0											•			26 - ug/L	02/30 - Twice Fer Month GK - Grab
				Value NODI									C - No Discharge				
	1 - Effluent Gross			Sample Permit Reg.								<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
00980 Iron, total recoverable		0												_		-	02/30 - Twice Fer Month Giv - Grab
				Value NODI									C - No Discharge		C - No Discharge		
	. =			Sample Permit Reg.									Reg Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
Nickel, total recoverable	1 - Effluent Gross	0		Value NODI									C - No Discharge			ZO ug/L	02/30 Twice Fer Workin On Grab
													C - No Discharge				
	. =			Sample Permit Req.											Req Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
O1113 Cadmium, total recoverable	1 - Effluent Gross	0		Value NODI											C - No Discharge		02700 TWOOT OF WORKET OF CLASS
															C - No Discharge		
	. =			Sample Permit Reg.											Reg Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
11114 Lead, total recoverable	1 - Effluent Gross	0		Value NODI											·		CZ/CC TWICE TOT MICHAIT CITY CIGO
															C - No Discharge		
	4 550			Sample Permit Reg.									Reg Mon 30DA AVG		Req Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0											•				52/50 TWICE FOR MICHIEF OR - GIAD
				Value NODI									C - No Discharge		C - No Discharge		
				Sample Permit Reg.									Reg Mon 30DA AVG		Reg Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
01303 Zinc notentially dissolved	1 - Effluent Gross	0		r eriiiit keq.									IVER MOUL SODY WAR		IVER INIOII DAIL I INIV	20 - ug/L	02/30 - I WICE FEI WICHILL GR - GIAD

1 - Effluent Gross 0

01303 Zinc, potentially dissolved

					Value NODI			C - No Discha	rge C - No Discharge		
					Sample Permit Req.			Reg Mon 30DA	AVG Req Mon DAILY MX	29 .ua/l	02/30 - Twice Per Month GR - Grab
01304	Silver, potentially dissolved	1 - Effluent Gross	0		Value NODI			C - No Discha		26 - ug/L	02/30 - Twice Per Month GR - Grab
								C - NO DISCHA	ilige C - No Discharge		
04200	Common materially discolved	4 F#Iant Crass	0		Sample Permit Reg.			Req Mon 30DA	AVG Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01306	1306 Copper, potentially dissolved	1 - Effluent Gross	U		Value NODI			C - No Discha		1 13	
					Sample						
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	AVG Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01313	Jadinium, potentially dissolve	1 - Lindent Gloss			Value NODI			C - No Discha	rge C - No Discharge		
					Sample						
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	AVG Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
	, , , , ,				Value NODI			C - No Discha	rge C - No Discharge		
					Sample						
01318	01318 Lead, potentially dissolvd	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	·	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI			C - No Discha	rge C - No Discharge		
	01319 Manganese, potentially dissolvd				Sample						
01319		1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	·	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI			C - No Discha	rge C - No Discharge		
	Nickel, potentially dissolvd				Sample Permit Reg.			Reg Mon 30DA	AVG Reg Mon DAILY MX	28 - ug/l	02/30 - Twice Per Month GR - Grab
01322		1 - Effluent Gross	0		Value NODI			C - No Discha	·	20 - ug/L	02/30 - Twice Fer Month Six - Grab
					Sample			C - NO DISCHA	ilige C - No Discharge		
01222	Calamium matantially discaled	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	AVG Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
01323	Selenium, potentially dissolvd		U		Value NODI			C - No Discha			
					Sample						
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA	AVG Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI			C - No Discha	rge C - No Discharge		
					Sample						
22708	Uranium, total	1 - Effluent Gross	0		Permit Req.			Req Mon 30DA		28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NODI			C - No Discha	irge		
					Sample						
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req. <=	2.06 30DA AVG	Req Mon DAILY MX 03 - M	GD			01/30 - Monthly IN - Instantaneous
					Value NODI	C - No Discharge	C - No Discharge				
					Sample Permit Req.			Req Mon 30DA /	AVC	28 - ug/L	02/30 - Twice Per Month GR - Grab
		1 - Effluent Gross			remit keq.			Req Mon Soda /	470	20 - ug/L	02/30 - Twice Per Month GR - Grab
50286	Mercury, total [low level]	1 - Effluent Gross	0		Value NODI			C. No Disaba	rae		
50286	Mercury, total [low level]	1 - Effluent Gross	0		Value NODI			C - No Discha	rge		
					Value NODI Sample Permit Req.			C - No Discha		19 - mg/L	02/30 - Twice Per Month GR - Grab
		1 - Effluent Gross 1 - Effluent Gross			Sample Permit Req.			Req Mon 30DA	AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
					Sample Permit Req. Value NODI				AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
51202	Sulfide-hydrogen sulfide [undissociated]		0		Sample Permit Req.			Req Mon 30DA	AVG irge	19 - mg/L	02/30 - Twice Per Month GR - Grab 02/30 - Twice Per Month GR - Grab

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <a href="https://www.npde.com/npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-need-to-public-although-npace-npace-need-to-public-although-npace-

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit					
Permit #:	CO0045161	Permittee:	Colowyo Coal Co LP	Facility:	COLOWYO MINE
Major:	No	Permittee Address:	PO Box 33695 Denver, CO 80233-0695	Facility Location:	5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641
Permitted Feature:	034 External Outfall	Discharge:	034-A Stormwater discharge from haul road (between coal preparation facilities)		
Report Dates & Statu	ıs				
Monitoring Period:	From 12/01/24 to 12/31/24	DMR Due Date:	01/28/25	Status:	NetDMR Validated
Considerations for F	orm Completion				
There will be alternate	limits for >10yr/24hr precipitaion event				
Principal Executive C	Officer				
First Name:	Peter A.	Title:	VP, Environmental Compliance and Policy	Telephone:	303-916-1289
Last Name:	Berger				
No Data Indicator (No	ODI)				
Form NODI:					
P	arameter Monitoring Loc	ation Season # Param. NODI	Quantity or Loading	Quality or Concentration	# of Ex. Frequency of Analysis Sample Type

	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	
					Sample													
00400	рН	1 - Effluent Gross	0		Permit Req						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	02/30 - Twice Per Month GR - Grab
					Value NOD							C - No Discharge				C - No Discharge		
					Sample													
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req								<= 3	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month GR - Grab
00000	Contact, total casponace	. Zimaoin Grees			Value NOD	ı								C - No Discharge		C - No Discharge		
					Sample													
00940	Chloride [as Cl]	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG			19 - mg/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge				
					Sample													
00978	Arsenic, total recoverable	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge				
					Sample													
00980	Iron, total recoverable	1 - Effluent Gross	0		Permit Req								<= 3	3000.0 30DA AVG	<=		28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD	I								C - No Discharge		C - No Discharge		
					Sample													
01074	Nickel, total recoverable	1 - Effluent Gross	0		Permit Req									Req Mon 30DA AVG			28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD	l								C - No Discharge				
					Sample													
01113	Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req											Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD											C - No Discharge		
					Sample													
01114	Lead, total recoverable	1 - Effluent Gross	0		Permit Req											Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD											C - No Discharge		
					Sample													
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
					Value NOD									C - No Discharge		C - No Discharge		
					Sample													
01303	Zinc, potentially dissolved	1 - Effluent Gross	0		Permit Req								F	Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	02/30 - Twice Per Month GR - Grab
	, ,																	

			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01304 Silver, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 - Twice Fer Month Six - Grab
							C - No Discharge	C - No Discharge	
	. =#		Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01306 Copper, potentially dissolved	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	02/30 TWICE FEI WORKEN SIX STAD
							C - No Discharge	C - No Discharge	
		_	Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01313 Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Value NODI				C - No Discharge	C - No Discharge	ozoo i woo i oi wonin oik oik
							C - No Discharge	C - No Discharge	
			Sample Permit Req.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
01314 Chromium, trivalent, potentially disso	vd 1 - Effluent Gross	0					C - No Discharge	C - No Discharge	02/30 TWICE FEI MONITH CITY GIAD
			Value NODI				C - No Discharge	C - No Discharge	
			Sample Permit Reg.				Reg Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
1318 Lead, potentially dissolvd	1 - Effluent Gross	0					·		02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample				Day May 2000 AVO	Day May DAII V MV 00	00/00 Tailes Bar Marth OD Orch
01319 Manganese, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
01322 Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
		0	Sample						
01323 Selenium, potentially dissolvd	1 - Effluent Gross		 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
04262 Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	Req Mon DAILY MX 28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge	C - No Discharge	
			Sample						
22708 Uranium, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
50050 Flow, in conduit or thru treatment plar	t 1 - Effluent Gross	0	 Permit Req. <=	0.078 30DA AVG	Req Mon DAILY MX 0	3 - MGD			01/30 - Monthly IN - Instantaneous
			Value NODI	C - No Discharge	C - No Discharge				
			Sample						
50286 Mercury, total [low level]	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
51202 Sulfide-hydrogen sulfide [undissociate	ed] 1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		
			Sample						
82057 Boron, total	1 - Effluent Gross	0	 Permit Req.				Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - Grab
			Value NODI				C - No Discharge		

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

Colowyo Coal Co LP

User: JENNIFER.PROKOP@TRISTATEGT.ORG

Name: Jennifer Prokop

E-Mail: jennifer.prokop@tristategt.org

Date/Time: 2025-01-06 08:04 (Time Zone: -07:00)

Name: Peter Berger
E-Mail: aberger@tristategt.org



November 7, 2024

Submitted electronically to <u>cdphe.wgrecordscenter@state.co.us</u>

Water Quality Control Division Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Colorado 80246-1530

RE: Colowyo Mine CDPS Permit #CO-0045161

2024 Fourth Quarter DMR Submittal Comments Outfall 101A WET Testing Results

Dear CDPHE Representative:

Tri-State recently notified WQCD of the results of the Fourth Quarter 2024 WET testing for Colowyo Coal Mine (CDPS Permit #CO-0045161). Tri-State requested a waiver from the WET automatic compliance responses, based on ongoing TIE/TRE studies for this Outfall and demonstration that the water quality has been consistent.

As documented in the enclosed email from Jacob Dyste on October 31st, 2024 the Division approved the automatic compliance waivers for *Ceriodaphnia dubia* during the reporting period.

If you have any questions about these comments, please contact Jennifer Prokop at jennifer.prokop@tristategt.org or 720-626-0721.

Sincerely,

- DocuSigned by:

Peter A. Burger
Peter A. Berger
Vice President
Environmental Compliance and Policy/ESG

JHS:JAP:der Enclosures

cc: Andy Berger, via email File: G471-11.3(10)a-9a



From: Berger, Andy
To: Prokop, Jennifer

Subject: RE: [EXTERNAL] Re: Colowyo CDPS Permit CO0045161 WET Notification for Q4 2024 (Outfall010A)

Date: Thursday, October 31, 2024 4:10:44 PM

Attachments: <u>image001.png</u>

Thank you Jen! Well done.

Andy

From: Jacob Dyste - CDPHE <jacob.dyste@state.co.us>

Sent: Thursday, October 31, 2024 3:36 PM

To: Prokop, Jennifer < jennifer.prokop@tristategt.org>

Cc: Berger, Andy <andy.berger@tristategt.org>

Subject: [EXTERNAL] Re: Colowyo CDPS Permit CO0045161 WET Notification for Q4 2024

(Outfall010A)

CAUTION: This email originated from outside of Tri-State. DO NOT click links or open attachments unless you recognize and/or trust the sender. Contact the IT Service Desk with questions or concerns.

Thank you Jennifer. I have updated the Division's records with the notification.

Jacob - UPDATED PHONE NUMBER: (303) 692-3290

--

Jacob Dyste

Enforcement Specialist



Phone: 303.692.3290

4300 Cherry Creek Drive South, Denver, CO 80246

jacob.dyste@state.co.us | www.colorado.gov/cdphe/wqcd

24-hr Environmental Release/Incident Report Line: 1.877.518.5608

On Thu, Oct 31, 2024 at 7:49 AM Prokop, Jennifer < <u>jennifer.prokop@tristategt.org</u>> wrote:

Good morning, Jacob,

This email is the 14-business day notification for the Q4 2024 chronic whole effluent toxicity (WET) sampling at Outfall 010A at the Colowyo Coal Company LP – Colowyo Mine (CDPS Permit #CO-0045161) in compliance with Part I.D.1.b. of the permit. The

chronic WET effluent limit for *Ceriodaphnia dubia* for this outfall during Q4 2024 is "report only" pursuant to a compliance schedule. As of 10/1/2023, the automatic compliance response (ACR) is currently applicable for this outfall. However, based on the work completed to date (Toxicity Identification Evaluation and Toxicity Reduction Evaluation) and consistent water quality in Q4 2024, **Colowyo Mine requests a waiver from the ACR requirement**. We will continue to provide updates on the progress to resolve WET with the semi-annual compliance schedule reports.

Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent of Colowyo.

Colowyo Mine conducts chronic WET testing for Outfall 010A in accordance with the CDPS Permit during a "Report-Only" compliance schedule. The lab report (received 10/11/2024) found the sublethal impacts (reproduction) of NOEC/NOEL (20%) and IC_{25} (43.1%) for *Ceriodaphnia dubia* were both lower than the IWC (100%). The sublethal impacts (growth) for the *Pimephales promelas* species passed (NOEC:100% and IC_{25} : >100%). Therefore, *Ceriodaphnia* are the most sensitive species.

We will submit the WET test results and Chains of Custody with the quarterly DMR.

We will continue to submit compliance schedule progress reports to the Division as required for chronic WET (*Ceriodaphnia*) at Outfall 010. Colowyo is committed to compliance with all permit requirements and is working to resolve chronic WET as soon as possible.

Please let me know if you have any questions.

Thank you!

Best Regards,

Jennifer Prokop

Environmental Planner III Tri-State Generation & Transmission

Cell: 720-626-0721 Office: 303-254-3311 Spill Phone: 303-349-7711

www.tristategt.org

Email: jennifer.prokop@tristategt.org



Environmental Services Mission Statement

To provide environmental compliance and policy services with the highest level of integrity to support Tri-State's mission.



October 11, 2024

Tony Tennyson Colowyo Coal Company 5731 State Highway 13 Meeker, CO 81641

Dear Tony:

Enclosed is the report for chronic biomonitoring tests performed for Colowyo Coal Company on effluent from the 010A outfall. There was statistically significant toxicity to the *Ceriodaphnia dubia* test species at multiple effluent concentrations. The effluent fails WET (Whole Effluent Toxicity) testing requirements for this sampling period.

If you have any questions or concerns, please do not hesitate to contact me at (303) 661-9324.

Best regards,

Catherine McDonald Laboratory Manager

REPORT OF CHRONIC BIOMONITORING TESTS CONDUCTED FOR COLOWYO COAL COMPANY ON EFFLUENT FROM THE 010A OUTFALL

Prepared for:

Tony Tennyson Colowyo Coal Company 5731 State Hwy 13 Meeker, CO 81641

Prepared by:

Catherine McDonald
SeaCrest Group
500 S Arthur Ave. Suite 450
Louisville, Colorado 80027-3065
(303) 661-9324

October 11, 2024

TABLE OF CONTENTS

CHRONIC TOXICITY TEST SUMMARY	3
ABSTRACT WITH RESULTS	4
INTRODUCTION	5
MATERIALS AND METHODS	5
SAMPLE COLLECTION	5
DILUTION WATER	5
TEST ORGANISMS	
TEST PROCEDURE	
RESULTS	
CERIODAPHNIA DUBIA TEST RESULTS	
FATHEAD MINNOW TEST RESULTSTEST ACCEPTABILITY	
DISCUSSION	
REFERENCES	9
APPENDIX 1 – CHAIN OF CUSTODY WITH SAMPLE RECEIPT FORMS	10
APPENDIX 2 – DATA SHEETS FOR THE CERIODAPHNIA DUBIA TEST	17
WET TEST REPORT FORM – CHRONIC	18
APPENDIX 3 – DATA SHEETS FOR THE FATHEAD MINNOW TEST	25
WET TEST REPORT FORM – CHRONIC	26
APPENDIX 4 – QA/QC AND REFERENCE TOXICANT TEST CHARTS	32
LIST OF TABLES	
TABLE 1: STATISTICAL METHODS USED IN TESTING	7
TABLE 2: SUMMARY OF CERIODAPHNIA DUBIA TEST RESULTS	7
TABLE 3: SUMMARY OF FATHEAD MINNOW TEST RESULTS	8
TABLE 4: PMSD FOR CHRONIC TEST PARAMETERS	8

Chronic Toxicity Test Summary

	7-day static renewal using <i>Ceriodaphnia dubia</i>
Test:	7-day static renewal using fathead minnow (<i>Pimephales promelas</i>)
Client:	Colowyo Coal Company
Test Procedure	Ceriodaphnia dubia: EPA/821/R-02-013. Method 1002.0 (2002)
Followed:	fathead minnow: EPA/821/R-02-013. Method 1000.0 (2002)
Sample Number:	524448.B
Dilution Water:	moderately hard laboratory reconstituted water
Test Organism Source:	SeaCrest Group
Reference Toxicant:	Sodium Chloride

Sample	Time of Collection	Date of Collection	Time of Receipt	Date of Receipt
Effluent 1	0710	10-01-2024	0822	10-02-2024
Effluent 2	0830	10-02-2024	0951	10-03-2024
Effluent 3	0915	10-03-2024	0950	10-04-2024

	Ceriodaphnia dubia	fathead minnow
Test Initiation Time	1430	1340
Test Initiation Date	10-02-2024	10-02-2024
Test Completion Time	1330	1240
Test Completion Date	10-08-2024	10-09-2024

A	bstract with Results
Test Concentrations:	Control (0%), 20%, 40%, 60%, 80%, 100%
	10 for <i>Ceriodaphnia dubia</i>
Number of Organisms/Concentration:	40 for fathead minnow
	10 for Ceriodaphnia dubia
Replicates at each Concentration:	4 for fathead minnow

	Ceriodaphnia dubia	fathead minnow
Test vessel size/Exposure volume	30ml/15ml	500ml/200ml
Sub-lethal NOEL/IC25	20%/43.1%	100%/>100%
Pass/Fail Status	FAIL	PASS
Temperature Range (°C)	24.1 - 25.7	24.1 - 25.5
Dissolved Oxygen Range (mg/L)	6.8 - 8.5	2.5 - 7.5
pH Range	7.7 - 8.1	7.5 - 8.1
	Control (Cerio/FHM)	Effluent Sample
Hardness (mg/L as CaCO ₃)	92/86	904/1095/980
Alkalinity (mg/L as CaCO ₃)	57/60	569/528/1028
Total residual chlorine (mg/L)	< 0.01	0.01/0.01/<0.01
Total ammonia (mg/L as NH ₃)	< 0.03	0.63/0.91/0.79

INTRODUCTION

Biomonitoring provides an effective means by which the toxicity of discharges from municipal, industrial, and mining operations can be tested. Among the advantages of biomonitoring is the ability to test complex effluents containing a broad range of contaminants. Biomonitoring, when used in conjunction with chemical analyses, can generate data capable of identifying a much wider range of contaminants.

The Colorado Water Quality Control Division requires certain NPDES permittees to perform acute and/or chronic biomonitoring tests. The chronic test measures significant differences in lethality and in reproduction (*Ceriodaphnia dubia*) or growth (fathead minnow – *Pimephales promelas*) between control and effluent-exposed organisms.

The present report discusses the results of chronic biomonitoring tests conducted on effluent from the Colowyo Coal Company 010A discharge. These tests were conducted in accordance with EPA and State of Colorado procedures in October 2024.

MATERIALS AND METHODS

Sample Collection

Two or three gallons of the effluent were collected on three separate dates as specified in Permit CO-0045161. Samples were delivered chilled to the SeaCrest lab where they were held at 0-6°C. Chain of custody forms showing sample collection and laboratory arrival times are included (Appendix 1).

Dilution Water

Laboratory reconstituted water was used as both the dilution water source and the control for the tests. Reconstituted water for the *Ceriodaphnia dubia* test was produced by adding sodium bicarbonate, calcium sulfate, magnesium sulfate, potassium chloride, and sodium selenate to deionized water. Reconstituted water for the fathead minnow test was produced by adding sodium bicarbonate, calcium sulfate, magnesium sulfate, and potassium chloride to deionized water.

Test Organisms

The biomonitoring test used *Ceriodaphnia dubia*, cultured in the SeaCrest laboratory. The organisms are cultured in brood culture boards from which individual females are monitored for survival and reproduction for periods of up to two weeks. Neonates less than 24-hours old, released from third or subsequent broods of eight or more within an 8-hour period, are collected from the brood chambers and used in tests. The animals are fed daily with a mixture of Yeast, Cereal Leaves, and Trout Chow (YCT), produced in-house. This is supplemented with cultured green algae (*Selenastrum capricornutum*) provided by Aquatic Biosystems.

Less than one-day-old fathead minnow, cultured in the laboratory, were also used in the test. Adult fish are maintained in 10-gallon aquaria where females deposit their eggs on the under-surface of split PVC pipe sections. The eggs are collected daily and transferred to aerated containers where they hatch after three to four days. The larval fish are fed newly hatched brine shrimp (*Artemia* sp.) at least twice per day.

In-house organisms are tested monthly in a reference toxicant test using sodium chloride to monitor overall health and test reproducibility (Appendix 4).

Test Procedures

Upon receipt at the lab, samples were analyzed for alkalinity, ammonia, chlorine, conductivity, dissolved oxygen, hardness, and pH.

Methods used in chemical analysis

Alkalinity	EPA 310.2	Hach 8203	I-2030-85.2
Ammonia	SM4500-NH ₃ , C-E1997	ASTM D1426-08	
Chlorine	SM4500-Cl D	Hach 10026	
Conductivity	SM2510		
Dissolved Oxygen	SM4500-O	Electrode: G-2001	Winkler (QC): B-F-2001
Hardness	SM2340 B or C	Hach 8213	
pН	SM4500-H+ B-2000		

The test followed procedures in EPA³ and CDPHE⁴ guidelines. Exposure concentrations included control (0%), 20%, 40%, 60%, 80%, and 100% mixtures, diluted with moderately hard laboratory reconstituted water.

Individual *Ceriodaphnia dubia* were placed in 30ml plastic containers containing approximately 15ml of exposure medium. Ten replicates at each concentration were used. The animals were fed daily with the YCT mixture and an equal volume of the green algae (*Selenastrum capricornutum*). The exposure medium was changed daily in each container and the number of young released overnight were counted and recorded. Young were removed from the containers daily and discarded. Routine measurements were made each day of temperature, dissolved oxygen, and pH before and after the water changes.

Fathead minnow were exposed in 500ml plastic cups to which 250ml of media was replaced daily. Four replicates were used at each concentration. Ten fish, less than 24-hours old, were placed in each cup. The fish were monitored daily for survival and fed live brine shrimp at least twice per day. After seven days, the fish were removed from the cups, euthanized with isopropyl alcohol, and then placed in aluminum pans and dried in an oven for a minimum of six hours at 100°C. The pans were then weighed on a five-place analytical balance to determine the average dry weight of the fish from each replicate.

Data Analysis

Data from the tests were analyzed on a personal computer using the CETIS program (developed by Tidepool Scientific Software). Statistical tests used in the analyses are shown in Table 1. Test acceptability was determined using control survival and reproduction/growth criteria, concentration-response relationships, and percent minimum significant differences (USEPA ^{5,6}).

Table 1. Statistical methods used in testing for significant differences in test parameters.

	ariance		Distribution	
Bartlett Equali	ty of Variance Test	Shapiro-W	ilk W Normality Test	
	Statistical 3	Difference		
Species	Survival	Growth	Reproduction	IC ₂₅
Ceriodaphnia dubia	Fisher Exact/Bonferroni- Holm Test	N/A	Steel Many-One Rank Sum Test	ICp
fathead minnow	Steel Many-One Rank Sum Test	Dunnett Multiple Comparison Test	N/A	ICp

RESULTS

Ceriodaphnia dubia Test Results

Test results for the *Ceriodaphnia dubia* are summarized in Table 2 and provided on the data sheets located in Appendix 2. Survival was 0% in the 100% effluent and ranged from 0% - 100% in the remaining effluent concentrations. Control survival was 100%. Statistically significant lethality was measured in the 60%, 80%, and 100% effluent concentrations when compared to the control. The NOEL (No Observed Effect Level) for lethality was 40% and the LC₂₅ (Lethal Concentration 25) for lethality was 50%.

Average number of neonates was 0.0 in the 100% effluent concentration and ranged from 0.2-31.6 in the remaining effluent concentrations. Average number of neonates in the control was 32.5 for statistical analyses and test acceptability criteria. Statistically significant differences in the number of neonates were found between the control and the 40%, 60%, 80% and 100% effluent concentrations. The NOEL for reproduction was 20% and the IC_{25} (Inhibition Concentration 25) for reproduction was 43.1%.

Table 2. Summary of *Ceriodaphnia dubia* test results. An asterisk (*) denotes a statistically significant difference from the control.

	Danaant	Maan			Significan	t Difference
Concentration	Percent Survival	Mean Neonates	Min.	Max.	Lethality	Reprod.
Control (0%)	100	32.5	29	39		
20%	100	31.6	28	36		
40%	100	26.9	18	34		*
60%	50	10.8	0	28	*	*
80%	0	0.2	0	2	*	*
100%	0	0.0	0	0	*	*

Fathead Minnow Test Results

Fathead minnow results are summarized in Table 3 and are provided on data sheets in Appendix 3. Survival was 88% in the 100% effluent concentration and ranged from 98% - 100% in the remaining effluent concentrations. Control survival was 100%. No statistically significant lethality was measured in any effluent concentration when compared to the control. The NOEL for lethality was 100% and the LC₂₅ for lethality was >100%.

Average weight in the 100% effluent concentration was 0.410mg and ranged from 0.449mg - 0.518mg per individual in the remaining effluent concentrations. Average weight for the control fish was 0.415mg for statistical analyses and test acceptability criteria. No statistically significant differences for growth were measured in any effluent concentration when compared to the control. The NOEL for growth was 100% and the IC₂₅ for growth was >100%.

Table 3. Summary of fathead minnow test results. An asterisk (*) denotes a statistically significant difference from the control.

	Percent	Average			Significant	Difference
Concentration	Survival	Weight (mg)	Min.	Max.	Lethality	Growth
Control (0%)	100	0.415	0.365	0.464		
20%	98	0.453	0.390	0.508		
40%	98	0.498	0.483	0.530		
60%	100	0.518	0.422	0.601		
80%	98	0.449	0.392	0.503		
100%	88	0.410	0.346	0.515		

Test Acceptability

Acceptable control survival (80%) was achieved in both tests. Similarly, *Ceriodaphnia dubia* reproduction (average 15 neonates/organism) and fathead minnow growth (average 0.250mg/test container) in control organisms met required levels. PMSD was within the required limits for an acceptable test (Table 4).

Table 4. PMSD for chronic test parameters.

	fathead min	now growth	C. dubia rep	oroduction
	Lower bound	Upper bound	Lower bound	Upper bound
PMSD	12	30	13	47
(% Minimum significant difference)	22	.3	19.	2

DISCUSSION

A failed test for this discharge occurs when there is an NOEL or IC₂₅ less than the IWC (Instream Waste Concentration) of 100%. The NOEL represents the highest effluent concentration at which no statistically significant effect is observed. The IC₂₅ represents an estimate of the effluent concentration that would cause a 25 percent reduction of a non-quantal biological measurement. A violation for this discharge occurs when both the NOEL and the IC₂₅ are less than the IWC. Since the *C. dubia* test species demonstrated statistically significant differences meeting these criteria, the discharge fails WET testing requirements for this sampling period.

REFERENCES

- 1. **Hach Chemical Company.** 2008. *Hach's Water Analysis Handbook. Fifth Edition. Hach Chemical Company, Loveland, Colorado.* Digital Medium.
- 2. **APHA/AWWA/WEF.** 1998. Standard Methods for the Examination of Water and Wastewater. 20th Edition. American Public Health Association, Washington, D.C.
- 3. **USEPA**. 2002. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. 335 pp.
- 4. **CDPHE** (Colorado Department of Public Health and Environment). 1998. Laboratory Guidelines for Conducting Whole Effluent Toxicity Tests. Water Quality Control Division.
- 5. **USEPA.** 2000. *Method of Guidance and Recommendations for Whole Effluent Toxicity* (WET) Testing (40 CFR Part 136). EPA/821/B-00/004.
- 6. **USEPA**. 2000. Understanding and Accounting for Method Variability in Whole Effluent Toxicity Applications under the National Pollutant Discharge Elimination System Program. EPA/833/R-00/003.

Appendix 1 – Chain of Custody with Sample Receipt Forms

Client: Colowyo Site: 010A

CO-0045161

SCG Project No.: 524448.B Project: Quarterly WET

SEACREST & GROUP ENVIRONMENTAL SERVICES LABORATORY	GROUP				CHAIN OF CUSTODY	OF 0	USTC	DDY		200	S. Art	hur A	venue (303	e, Uni) 661	500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027 (303) 661.9324 - FAX (303) 661.9325	Louis FAX (ille, C 303) 6	0 800 61.93	27
Client/Project Name:	Coramio	\cup	デ	GAL COMPANY	2				٧	nalys	Analysis (Check all applicable)	sck al	appl	icabl	e)				
P. O./Project Number:	330	30381		-	-		(M						(əjɔ.						
Contact: Town IR	(RAWYSOL)					100	7						i) (Cir						
Address: 5731 (HWY 13	2	MERKER	2		8164					(elɔɹi		1-	iloD-Ξ		(wol				
Phone # 970 864 1232		E-Mail: wy. K	VOSON	2 ints	E-Mail: Duy, EANYONE INTSPATE CTIONG	-			(M	o) (ss		212112)	ecal/l	(ə8 tsi			siners	
Fax#		Sampler:				-			Belo	T\20			4\lst	Sircle	J) sis				-
Report By:	PPDF	☐ FAX						-	tsiJ)	T\ZT)	(2)		oT) m	0) 00	γlenA				unio
Sample Location or ID	Date	Time		Grab/ Comp	Lab ID (us use only)	MET: ₽	WET: C	WET: P	Metals	sbilo2	anoinA mo1dD	one liO	Colifor	BOD\C	Other			dmuM V lstoT	A 10301
OloA	10,1,2	4 7:10	3	0	1 # 8 8hhh25		7	_				-				-		-	1,0
												_				-		-	
																-			
																-			
							1	_											
							-	-										71	
							-	+								-		1	
							+	-			1					-		+	
Turnaround Requirements (Analytical Testing Only)	quirements		Test Sp	ecies: ₽	Test Species: Fathead Minnow	woul	7	Cerio daphnia		Dapt	Daphnia magna Daphnia pulex	Bna		hnia p		_ ŧ	Other (List Below)	Below	-
Standard (10 days)		6-9 Day		al Instru	Special Instructions/Comments:	ents:													
3-5 Day		1-2 Day																	
Requested Report Date:																			
Relinquished By (1)			Receive	Received By (1)			-	Reling	Relinquished By (2)	(2)		_		-	Received By (2)	d By (
Signature Date:	Date/lime 10 1/24	Signature			Date/Time	Signature WP	e L			Date/Time	Time	Sig N	Signature 1 Mil	**			Date/Time 0712 100124	ime	
1																			

SeaCrest Group Louisville, CO	S	ample Receipt F	orm	Form #: 42 Effective: January 2024
TOTAL SECTION AND ADDRESS OF THE PARTY OF TH	4448.B		Sample #: I	
Date: 1001			Initials: <u>U</u>	
1. FedEx Notes	UPS	Courier	Hand Delivery	(circle one)
2. Chilled to Shi	р		Ambie	nt Chilled
3. Cooler Receivant	ved Broken or Leaking :		Υ	N NA
Sample Rece Notes	ived Broken or Leaking :	9	Y	N
5. Received With Notes	hin 36hr Holding Time :		(v)	N
6. Aeration nece	essary		Υ	N
7. pH adjustmen	t necessary		Υ	N
8. Sample Rece Notes:	ived at Temperature be	etween 0-6° C .	T	N NA
Effluer	Sample (Color, Odor, nt:No visible PM ving: N/A	and/or Presence of	Particulate Matter)	:
	nce of native species:		Υ (N

Lab#	Temp	D.O.	рН	Cond
52448.8 21	2.9	7.0	7.8	5260

Custody Seals:

Present on Outer Package	Y
2. Unbroken on Outer Package	Υ

3. Present on Sample4. Unbroken on Sample

Y N NA

Custody Documentation (Chain of Custody):

Present Upon Receipt of Sample

?

HW

Client: Colowyo Site: 010A

SCG Project No.: 524448.B Project: Quarterly WET CO-0045161

ODY 500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027 (303) 661.9324 - FAX (303) 661.9325	Analysis (Check all applicable)	(/	Below	incle)	(Indiii) (w) (v) (v) (Circle	E/TRE Below DS/TS Tsl/VI (I Tsl/Fe Tsl/Fe Tsl/Fe Tsl/Fe	teid) teid)	WET: F Metals Solids Chrom Oil and Colifor BOD/C Other Other	1					erio daphnia 🔲 Daphnia magna 🔲 Daphnia pulex 🔲 Other (List Below)				Relinquished By (2)	
 S. Arthur Avenue, Unit 450 - Loui (303) 661.9324 - FAX 	sis (Check all applicable)	(əן:	OJIC) (iloD-	Oircle	I) IV (I) 928 tal/Fe	ll mui Grea OT) m	Chrom Oil and Colifor										Received By	100
20	Analys			(ejiviji										_				ished By (2)	
CHAIN OF CUSTODY			gelow	s Belo	atsait	ic (Inc	inoni.	WET: O	>					10w Cerio dapl	ents:			Relinqu	
CHAIN	OWPANY O	1		81641	STATE STORE	1		Grab/ Lab ID (MB Use Only)	G 524442.6	#2				Test Species: Fathead Minnow Cerio daphnia	Special Instructions/Comments:			d By (1)	
	COMP. (70	MEEKER, CO 81	Mail: proy (TRANCY SON	Sampler: CFR		Time	0830					Test Spo	6-9 Day Specia	1-2 Day		Received By (1)	
GROUP ABORATORY	Corowyo	33038	Tenny SON	HWY 13 ME		Sai	7	Date	10.2.24					equirements				(1	
SEACREST & GRO ENVIRONMENTAL SERVICES LABORATORY	Client/Project Name:	P. O./Project Number:	Contact: TONY	Address: \$731 F	Phone # 970 824 1232	Fax #	Report By: Mail	Sample Location or ID	C10A					Turnaround Requirements (Analytical Testing Only)	Standard (10 days)	3-5 Day	Requested Report Date:	Relinquished By (1)	1

Form #: 42 SeaCrest Group Sample Receipt Form Effective: January 2024 Louisville, CO Sample #: Project # 524443.8 Initials: Date: Samples Were: (circle one) Hand Delivery Courier UPS 1. FedEx Notes: Ambient Chilled 2. Chilled to Ship NA Y 3. Cooler Received Broken or Leaking Notes: 4. Sample Received Broken or Leaking Notes: 5. Received Within 36hr Holding Time Notes: 6. Aeration necessary 7. pH adjustment necessary NA 8. Sample Received at Temperature between 0-6° C . 9. Description of Sample (Color, Odor, and/or Presence of Particulate Matter): Effluent:

Lab#	Temp	D.O.	рН	Cond
574448.B	3.3	8,2	7.9	5050
#2				

Receiving: $\[\] / \[\] / \[\]$ Presence of native species:

Custody Seals:

- 1. Present on Outer Package
- 2. Unbroken on Outer Package
 - 3. Present on Sample
 - 4. Unbroken on Sample

Custody Documentation (Chain of Custody):

1. Present Upon Receipt of Sample



N

Client: Colowyo Site: 010A

SCG Project No.: 524448.B Project: Quarterly WET CO-0045161

CHAIN OF CUSTODY 500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027 (303) 661.9324 - FAX (303) 661.9325	OAL COMMANY Analysis (Check all applicable)	30381	Belon Belon	s Beloi icate ircle)	sate Balicate (India) (V) (Circle Circle Circle Sate Balicate (India) (V) (Circle Circle Circ	(Indididididididididididididididididididi	Annual of the first of C	Grab/ Lab ID WET: P WET	2 228mm28					Test Species: A Fathead Minnow Cerro daphnia Daphnia magna Daphnia pulex Other (List Below)	6-9 Day Special Instructions/Comments:	1-2 Day	1-2 Day	1-2 Day Received By (1) Relinquished By (2) Received By (2)
△GROUP ES LABORATORY	Colowyo (1ENNYSON	14my 13	1232	Sam		Date	10,3,24					Requirements Testing Only)				
SEACREST & GROU ENVIRONMENTAL SERVICES LABORATORY	Client/Project Name: (P. O./Project Number:	Contact: (ONY)	Address: S73	Phone # 978 84	Fax #	Report By:	Sample Location or ID	POIO					Turnaround Requirement (Analytical Testing Only)	Standard (10 days)	3-5 Day	3-5 Day Requested Report Date:	3-5 Day Requested Report Date: Relinquished By (1)

SeaCrest Group Louisville, CO	ample Receipt F	orm	Effective:	Form #: 42 January 2024
Project # 524 448. B Date: 100424 Samples Were:		Sample #: Sinitials:)	-
1. FedEx Notes: UPS	Courier	Hand Delivery	(circle or	ne)
2. Chilled to Ship		Ambier	nt Chilled)
Cooler Received Broken or Leaking Notes:		Υ	N	NA
Sample Received Broken or Leaking Notes:	9	Y	N	
5. Received Within 36hr Holding Time Notes:		(Y)	N	
6. Aeration necessary		Υ	N	
7. pH adjustment necessary		Y	N	
Sample Received at Temperature be Notes:	etween 0-6° C .	(Y)	N	NA
9. Description of Sample (Color, Odor, Effluent: Mo いらいしん アト		f Particulate Matter):		
Receiving: \mathcal{N}/\mathcal{A} Presence of native species:		Y	N	

Lab#	Temp	D.O.	pН	Cond
Se4448B43	, 4.9	7.1	7.7	4990

Custody Seals: 1. Present on Outer Package 2. Unbroken on Outer Package 3. Present on Sample 4. Unbroken on Sample

Custody Documentation (Chain of Custody):

1. Present Upon Receipt of Sample

SeaCrest Group 16

Ν

 $Appendix \ 2 - Data \ Sheets \ for \ the \ Ceriodaphnia \ dubia \ Test$

Client: Colowyo Site: 010A

CO-0045161

SCG Project No.: 524448.B Project: Quarterly WET

WET TEST REPORT FORM - CHRONIC

Permittee: Colowyo Coal Company

Permit No.: CO-0045161

Outfall: 010A – IWC: 100%

Test Type: Routine ⊠ Accelerated □ Screen □

Test Species: Ceriodaphnia dubia

Test Start Time	Test Start Date	Test End Time	Test End Date
1430	10-02-2024	1330	10-08-2024

Test Results	Lethality/TCP3B	Reproduction/TKP3B
S code: NOEL	40%	20%
	FAIL	FAIL
P code: LC ₂₅ /IC ₂₅	50%	43.1%
	FAIL	FAIL
T code:	50%	43.1%

Test Summary

Measurements	Control (0%)	20%	40%	60%	80%	100%
Exposed organisms	10	10	10	10	10	10
Survival for day 1	10	10	10	9	9	9
Survival for day 2	10	10	10	9	6	4
Survival for day 3	10	10	10	5	3	2
Survival for day 4	10	10	10	5	1	2
Survival for day 5	10	10	10	5	0	0
Survival for day 6	10	10	10	5	0	0
Mean 3 Brood Total	32.5	31.6	26.9	10.8	0.2	0.0

Hardness (mg/L) – Receiving Water: N/A Effluent: 904/1095/980 Recon Water: 92 Alkalinity (mg/L) – Receiving Water: N/A Effluent: 569/528/1028 Recon Water: 57 Chlorine (mg/L) – Effluent: 0.01/0.01/<0.01 pH (initial/final) – Control: 8.0/7.9 100%: 7.9/7.8

Total Ammonia as NH₃ (mg/L) - Effluent: 0.63/0.91/0.79

Were all Test Conditions in Conformance with Division Guidelines? YES NO

If NO, list deviations from test specifications: N/A

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Aurora Nelson, Lisa Sibrell, Daniela Thornton, and Ryan Belmont

Signature Date October 11, 2024

Form #: 101a SeaCrest Group Ceriodaphnia Chronic Benchsheet Effective: March 2023 Louisville, CO Colowyo Lab #: 524448,B Site: OLOA Permittee: Template #: 5 IWC %: Dilution Water: MH24-020 Sample Date: 100124 Test Start: 100224-1430 Test End: 100824 - 1330 Age & Source: Test Conditions: Total (C) /1 3 6.8 8.3 7.3 7.3 6.8 8.3 5.7 **24.9** 25.4 25.2 25.5 25.4 **25.6** 7.4 6.8 DO 7.6 7.0 25.4 8.0 341 25.2 24.7 7.9 8.1 Temp 25.5 pH Cond 9 7,9 8.0 (1) 6.8 7.3 16.9 8.3 17.5 7.3 16.2 8.3 17.1 75.3 25.7 121.9 25.4 125.2 75.5 125.4 125.6 124.1 8.0 7.9 17.9 7.9 17.9 17.9 18.0 17.9 13.94 13.83 140.2 14.2 13.80 DO 25.2 24.7 31.4 25.5 рН Cond 6.9 25.2 7.9 DO 7.2 | 6.8 | 7.0 | 25.2 | 74.7 | 25.5 | 8.0 | 7.9 | 8.2 | 73 6.9 8.2 7.1 3 7.0 8.4 7.7 24.9 Temp 5.7 23.9 25.4 2 25.5 23.4 25.6 24.1 7.9 7.9 7,977.9 7.9 7.8 7.9 7.9 D O D D D 7.3 7.1 8.4 7.9 7.4 6.9 8.2 7.2
25.7 124.9 65.4 15.2 55.5 13.4 15.6 74.1
5.0 7.9 6.0 7.9 7.9 7.9 7.9 7.9
33.00 32.20 32.40 3320 6.0 DO 7.1 6.8 7.0 25.2 74.7 25.5 8.0 7.9 8.4 10-8 Temp

HW

Form #: 101a SeaCrest Group Ceriodaphnia Chronic Benchsheet Effective: March 2023 Louisville, CO Total 6 (4) 0 D 0 0 0 0 0 0 D 0 0 0 0 0 0 0 0 80 0 0 0 0 D 0 0 0 0 0 0 7.3 7.2 8.5 8.1 7.4 7.0 8.1 257 14.9 25.4 25.5 25.4 25.6 20 7.9 8.0 7.9 7.7 7.8 7.8 DO 17.2 Temp 25. рН 4000 4140 4130 4220 4240 Cond 0 (5) 0 0 0 0 0 0 0 ٥ D 0 0 0 0 100 0 D D D 0 0 0 0 0 D 0 ō DO 757 24.9 25.4 25.2 25.5 25.4 25.1 2.0 7.9 2.0 7.9 7.9 7.7 7.8 Temp 25.5 25.4 25.6 7.8 0.0 рН 5090 Cond 4850 Algae ABS 2408 ABS ABS AB) ARS 2407 2408 2407 2407 2407 H₂O AN Initials RA Eff #2 Eff#3 Recon 904 1095 Hardness Alkalinity Chlorine Ammonia Exposure Chamber: Total Capacity: 30mL Feeding Schedule: DO: mg/L Temp: °C pH: N/A Hardness: mg/L Alkalinity: mg/L Fed daily Food used: YCT, Algae Total Solution Volume: 15mL Chlorine: mg/L Cond: µS/cm3 Ammonia: mg/L mobile and active Comments: x:y:z = board #:row:column 5 8 10 19 A5 A7 A3 A6 A4 AIO BI

th

Client: Colowyo CO-0045161 Site: 010A

CO-0045161 SCG Project No.: 524448.B Project: Quarterly WET

		Repo	rt					R T	est Code/ID	:	524	Oct-24 14:1 4448CD / 06	-9561-4839
Ceriodaphnia	7-d Surv	ival and	Reprod	uction Tes	t							SeaCr	est Group
Analysis ID: Analyzed: Edit Date:	04-7398- 08 Oct-24	4 14:10	An	alysis: S	d Survival Rat STP 2xK Contir	ngency Tabl		D08D	CETIS Ver Status Lev Editor ID:		CETIS v: 1 008-269-		
Sample ID: Sample Date: Receipt Date: Sample Age:	02 Oct-24	4	Ma CA	terial: F S (PC):	624448.B POTW Effluent Colowyo				Project: Source: Station:		ES Permit	Compliance # (XX99999	
Data Transfor	m		Alt Hyp				NOEL	LOE	L TOE	L	Tox Units		
Untransformed			C>T			6	40	60	48.9		2.5		
Fisher Exact/	Bonferror	ni-Holm	Test /										
Control	vs Co	onc-%		Test St	at P-Type	P-Value	Decision(α:5%					
Dilution Water	20			1.0000	Exact	1.0000	Non-Signi	ficant	Effect				
	40			1.0000	Exact	1.0000	Non-Signi	ficant	Effect				
	60	*		0.0163	Exact	0.0488	Significan	Effec	t				
	80	*		0.0000	Exact	2.7E-05	Significan	Effec	t /				
	10	0*		0.0000	Exact	2.7E-05	Significan	Effec	t /				
Test Acceptal	bility Crite	eria	TAC	Limits									
Attribute	Tes	st Stat		Upper	Overlap	Decision							
Control Resp	1		8.0	>>	Yes	Passes Cr	riteria						
7d Survival R	ate Freque	oncine											
	ate i requ	elicies											
Conc-%	Co		NR	R	NR+R	Prop NR	Prop R	%Ef	fect				
Conc-%			NR 10	R	NR + R	Prop NR 1.0000	Prop R 0.0000	%Ef	1.0.0.0.				
Conc-%	Co		HTMCOVE.	20.00	5,55,5101.5.5				%				
Conc-%	Co		10	0	10	1.0000	0.0000	0.00	% %	211			
Conc-% 0 20	Co		10 10	0	10 10	1.0000 1.0000	0.0000 0.0000	0.00	% % %				
Conc-% 0 20 40	Co		10 10 10	0 0 0	10 10 10	1.0000 1.0000 1.0000	0.0000 0.0000 0.0000	0.00 0.00 0.00 50.0	% % %				
Conc-% 0 20 40 60	Co		10 10 10 5	0 0 0 5	10 10 10 10	1.0000 1.0000 1.0000 0.5000	0.0000 0.0000 0.0000 0.5000	0.00 0.00 0.00 50.0	% % % 0%				
Conc-% 0 20 40 60 80	Co D	de	10 10 10 5 0	0 0 0 5 10	10 10 10 10	1.0000 1.0000 1.0000 0.5000 0.0000	0.0000 0.0000 0.0000 0.5000 1.0000	0.00 0.00 0.00 50.0	% % % 0%				
Conc-% 0 20 40 60 80 100	Co D	nary	10 10 10 5 0	0 0 0 5 10	10 10 10 10	1.0000 1.0000 1.0000 0.5000 0.0000	0.0000 0.0000 0.0000 0.5000 1.0000	0.00 0.00 0.00 50.0	% % % 0%		Std Err	CV%	%Effect
Conc-% 20 40 60 80 100 7d Survival R Conc-%	Co D	nary	10 10 10 5 0	0 0 0 5 10	10 10 10 10 10 10	1.0000 1.0000 1.0000 0.5000 0.0000	0.0000 0.0000 0.0000 0.5000 1.0000	0.00 0.00 0.00 50.0 100	% % % 0% 00% 00%		Std Err 0.0000	CV% 0.00%	%Effect 0.00%
Conc-% 0 20 40 60 80 100 7d Survival R Conc-% 0	Co D ate Sumn	nary	10 10 10 5 0 0	0 0 0 5 10 10	10 10 10 10 10 10 10	1.0000 1.0000 1.0000 0.5000 0.0000 0.0000	0.0000 0.0000 0.0000 0.5000 1.0000 1.0000	0.00 0.00 0.00 50.0 100.	% % % 00% 00% Max 00 1.00	00			
Conc-% 0 20 40 60 80 100 7d Survival R Conc-% 0 20	Co D ate Sumn	nary	10 10 10 5 0 0	0 0 0 5 10 10 Mean	10 10 10 10 10 10 10 10 10	1.0000 1.0000 1.0000 0.5000 0.0000 0.0000 95% UCL	0.0000 0.0000 0.0000 0.5000 1.0000 Median	0.00 0.00 0.00 50.0 100 100 Min	% % % 00% 00% 00% Max 00 1.00 00 1.00	00 00	0.0000	0.00%	0.00%
Conc-% 0 20 40 60 80 100 7d Survival R	Co D ate Sumn	nary	10 10 10 5 0 0 Count	0 0 0 5 10 10 Mean 1.0000	10 10 10 10 10 10 10 95% LCL 1.0000	1.0000 1.0000 1.0000 0.5000 0.0000 0.0000 95% UCL 1.0000 1.0000	0.0000 0.0000 0.0000 0.5000 1.0000 1.0000 Median 1.0000 1.0000	0.00 0.00 50.0 100. 100. Min 1.00	% % % % 00% 000% Max 000 1.00 000 1.00 000 1.00 000 1.00 000 1.00 000 0	00 00 00	0.0000 0.0000	0.00% 0.00%	0.00% 0.00% 0.00%
Conc-% 0 20 40 60 80 100 7d Survival R Conc-% 0 20 40	Co D ate Sumn	nary	10 10 10 5 0 0 0 Count	0 0 0 5 10 10 Mean 1.0000 1.0000	10 10 10 10 10 10 10 95% LCL 1.0000 1.0000	1.0000 1.0000 1.0000 0.5000 0.0000 0.0000 95% UCL 1.0000 1.0000	0.0000 0.0000 0.0000 0.5000 1.0000 1.0000 Median 1.0000 1.0000	0.00 0.00 50.0 100. 100. Min 1.00 1.00	% % % 00% 00% 000% Max 00 1.00 00 1.00 00 1.00 00 1.00	00 00 00 00	0.0000 0.0000 0.0000	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%

Convergent Rounding (4 sf)

CETIS™ v2.1.5.6 x64 (008-269-892-1)

Analyst: M QA:

Client: Colowyo CO-0045161 **Site: 010A**

SCG Project No.: 524448.B **Project: Quarterly WET**

Analysis Analyzed Edit Date	ID:	7-d Survival and	l Donrod				h)	To	est Cod	le/ID:	52	24448CD / 0	6-9561-4839
Analyzed Edit Date			a Reproduc	tion Test								SeaC	rest Group
Edit Date	d:	17-5742-8748	End	point: 70	Survival Rate)			CETIS	Version:	CETIS	/2.1.5	
		08 Oct-24 14:10	Anal	ysis: Li	near Interpolat	tion (ICPIN))		Status	Level:	1		
Camalal	e:	08 Oct-24 0:00	MD5	Hash: 4E	BAABE2186F8	326CDFE76	87CADE	DDD08D	Editor	ID:	008-269	-892-1	
Sample I	ID:	00-5766-2421	Cod	e: 52	4448.B				Projec	t: WE	T Quarterly	Compliance	e Test (4Q)
Sample I	Date:	01 Oct-24	Mate	erial: Po	OTW Effluent				Sourc	e: NPD	ES Permit	t # (XX99999	9999)
Receipt I	Date:	02 Oct-24	CAS	(PC):					Statio	n: 010	A		
Sample /	Age:	24h	Clie	nt: Co	olowyo								
Linear In	nterpo	lation Options											
X Transf	orm	Y Transform	Seed	d	Resamples	Exp 95%	CL M	ethod					
Linear		Linear	7165	32	1000	Yes	Tv	wo-Point	Interpol	ation			
Test Acc	eptab	oility Criteria	TAC Li	mits									
Attribute	•	Test Stat	Lower	Upper	Overlap	Decision							
Control R	Resp	1	0.8	>>	Yes	Passes Ci	riteria						
Point Es	timate	es							- E				
Level	%	95% LCL	95% UCL	Tox Unit	s 95% LCL	95% UCL							
LC15	46	43.75	55	2.2	1.8	2.3							
LC20	48	45	60	2.1	1.7	2.2							
LC25	50	46.25	61.25	2	1.6	2.2							
LC40	56	50	65	1.8	1.5	2							
LC50	60	52.5	67.5	1.7	1.5	1.9							
7d Survi	val Ra	ate Summary				Calculated	Variate	(A/B)			_	Isoton	ic Variate
Conc-%		Code	Count	Mean	Median	Min	Max	CV9	6	%Effect	ΣΑ/ΣΒ	Mean	%Effect
0		D	10	1.0000	1.0000	1.0000	1.0000	0.00	1%	0.00%	10/10	1.0000	0.00%
20			10	1.0000	1.0000	1.0000	1.0000	0.00	1%	0.00%	10/10	1.0000	0.00%
40			10	1.0000	1.0000	1.0000	1.0000	0.00	1%	0.00%	10/10	1.0000	0.00%
60			10	0.5000	0.5000	0.0000	1.0000	105.	41%	50.00%	5/10	0.5000	50.00%
80			10	0.0000	0.0000	0.0000	0.0000			100.00%	0/10	0.0000	100.00%
100			10	0.0000	0.0000	0.0000	0.0000			100.00%	0/10	0.0000	100.00%

Convergent Rounding (4 sf)

CETIS™ v2.1.5.6 x64 (008-269-892-1)

Analyst: M QA: HW

CO-0045161

Client: Colowyo Site: 010A SCG Project No.: 524448.B Project: Quarterly WET

CETIS Ana	lytic	cal Repo	ort						Report Test Co				0 (p 1 of 1) 6-9561-4839
Ceriodaphnia	7-d S	Survival an	d Reprodu	uction Te	est	1)						SeaCr	rest Group
Analysis ID: Analyzed: Edit Date:	08 O	830-1192 ct-24 14:09 ct-24 0:00	An	dpoint: alysis:)5 Hash:	Non		Control vs T		Statu	S Version us Level: or ID:	: CETIS v2 1 008-269-8		
Sample ID: Sample Date: Receipt Date: Sample Age:	01 O 02 O		Ma CA	de: terial: S (PC): ent:	POT	148.B W Effluent			Proje Sour Stati	ce: NP	ET Quarterly (DES Permit # DA		
Data Transfor	m		Alt Hyp					NOEL	LOEL	TOEL	Tox Units	MSDu	PMSD
Untransformed			C > T				- 1	20	40	28.28	5	6.239	19.20%
Steel Many-O	ne Ra	ınk Sum Te	est										
Control	vs	Conc-%		f Test S	Stat	Critical	Ties	P-Type	P-Value	Decision	n(a:5%)		
Dilution Water		20 40* 60* 80*	1 1 1 1	8 73 8 55		76 76 76 76	3 3 0	CDF CDF CDF CDF	0.6386 0.0265 0.0003 0.0003		nificant Effect nt Effect nt Effect		
Test Acceptal	oility	Criteria	TAC	Limits									
Attribute	ā	Test Stat		Uppe	r	Overlap	Decision						
Control Resp		32.5	15	>>		Yes	Passes Ci	riteria					
PMSD		0.192	0.13	0.47		Yes	Passes Ci	riteria					
ANOVA Table													
Source		Sum Squa	ares	Mean	Squ	are	DF	F Stat	P-Value	Decision	n(a:5%)		
Between		8143		2035.	75		4	51.67	<1.0E-05	Significal	nt Effect		
Error		1773		39.4			45						
Total		9916					49						
ANOVA Assur	nptio	ns Tests											
Attribute		Test					Test Stat	Critical	P-Value	Decision	n(a:1%)		
Variance		Bartlett Eq	uality of V	ariance 1	est		59.12	13.28	<1.0E-05	Unequal	Variances		
Distribution		Shapiro-W	ilk W Norr	nality Te	st		0.9081	0.9367	0.0009	Non-Non	mal Distribution	on	
Reproduction	Sum	mary											
Conc-%		Code	Count	Mean		95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0		D	10	32.5		30.13	34.87	31.5	29	39	1.046	10.18%	0.00%
20			10	31.6		29.78	33.42	32	28	36	0.8055	8.06%	2.77%
40			10	26.9		23.52	30.28	26	18	34	1.494	17.56%	17.23%
60			10	10.8		1.841	19.76	4	0	28	3.96	115.96%	66.77%
80			10	0.2		-0.2524	0.6524	0	0	2	0.2	316.23%	99.38%
100			10	0		0	0	0	0	0	0		100.00%

Convergent Rounding (4 sf)

CETIS™ v2.1.5.6 x64 (008-269-892-1)

Analyst: M QA: HW

Client: Colowyo CO-0045161 **Site: 010A**

SCG Project No.: 524448.B Project: Quarterly WET

CETIS	S Ana	lytical Repo	ort					Report Test C	Date: ode/ID:	08 Oct-24 14: 524448CD / 0	,
Ceriod	laphnia	7-d Survival and	d Reprodu	ction Tes	t					Sea	Crest Group
Analys	is ID:	19-7375-3454	End	• 1000 Million 2000 Million	Reproduction			CET	IS Version:	CETIS v2.1.5	
Analyz	ed:	08 Oct-24 14:10		•	inear Interpola				us Level:	1	
Edit Da	ate:	08 Oct-24 0:00	MD	Hash: F	7F784A37D5F	1EA7466E857	715307904	Edit	or ID:	008-269-892-1	
Sample	e ID:	00-5766-2421	Cod	e: 5	24448.B			Proj	ect: WET	Quarterly Compliand	e Test (4Q)
Sample	e Date:	01 Oct-24	Mat	erial: P	OTW Effluent			Sou	rce: NPDI	ES Permit # (XX9999	9999)
Receip	t Date:	02 Oct-24	CAS	(PC):				Stat	ion: 010A		
Sample	e Age:	24h	Clie	nt: C	Colowyo						
Linear	Interpo	olation Options									
X Tran	sform	Y Transform	See	d	Resamples	Exp 95% CL	Method				
Linear		Linear	169	734	1000	Yes	Two-Po	int Interp	olation		
Test A	cceptal	oility Criteria	TAC L	imits							
Attribu	ite	Test Stat	Lower	Upper	Overlap	Decision					
Control	Resp	32.5	15	>>	Yes	Passes Criter	ia				
Point E	Estimat	es									
Level	%	95% LCL	95% UCL	Tox Uni	its 95% LCL	95% UCL					
IC15	36.91	27.12	42.34	2.7	2.4	3.7		COPIE CO			
IC20	41.12	32.54	44.42	2.4	2.3	3.1					
IC25	43.14	37.36	46.83	2.3	2.1	2.7					
IC40	49.19	45.28	56.89	2	1.8	2.2					
IC50	53.23	48.68	62.03	1.9	1.6	2.1					
Reproc	duction	Summary				Calculated	Variate			Isoto	nic Variate
Conc-%	6	Code	Count	Mean	Median	Min Ma	ax C	V%	%Effect	Mean	%Effect
0		D	10	32.5	31.5	29 39	1	0.18%	0.00%	32.5	0.00%
20			10	31.6	32	28 36	8	.06%	2.77%	31.6	2.77%
40			10	26.9	26	18 34	1	7.56%	17.23%	26.9	17.23%
60			10	10.8	4	0 28	1	15.96%	66.77%	10.8	66.77%
80			10	0.2	0	0 2	3	16.23%	99.38%	0.2	99.38%
100			10	0	0	0 0	-	-	100.00%	0	100.00%

Convergent Rounding (4 sf)

CETIS™ v2.1.5.6 x64 (008-269-892-1)

Analyst: QA: HW

Appendix 3 – Data Sheets for the Fathead Minnow Test

Client: Colowyo Site: 010A

CO-0045161

SCG Project No.: 524448.B Project: Quarterly WET

WET TEST REPORT FORM - CHRONIC

Permittee: Colowyo Coal Company

Permit No.: CO-0045161

Outfall: 010A – IWC: 100%

Test Type: Routine ⊠ Accelerated □ Screen □

Test Species: Fathead minnow

Test Start Time	Test Start Date	Test End Time	Test End Date
1340	10-02-2024	1240	10-09-2024

Test Results	Lethality/TCP6C	Growth/TKP6C
S code: NOEL	100%	100%
	PASS	PASS
P code: LC ₂₅ /IC ₂₅	>100%	>100%
	PASS	PASS
T code:	>100%	>100%

Test Summary

Measurements	Control (0%)	20%	40%	60%	80%	100%
Exposed organisms	40	40	40	40	40	40
Survival for day 1	40	40	40	40	40	38
Survival for day 2	40	40	40	40	39	36
Survival for day 3	40	40	39	40	39	36
Survival for day 4	40	40	39	40	39	35
Survival for day 5	40	40	39	40	39	35
Survival for day 6	40	39	39	40	39	35
Survival for day 7	40	39	39	40	39	35
Mean Dry Wt. (mg)	0.415	0.453	0.498	0.518	0.449	0.410

Total Ammonia as NH₃ (mg/L) - Effluent: 0.63/0.91/0.79

Were all Test Conditions in Conformance with Division Guidelines? YES NO

If **NO**, list deviations from test specifications: D.O. fell below 4.0 mg/L in overnight test chambers

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Lisa Sibrell, Aurora Nelson, Daniela Thornton, Haley West, and Catherine McDonald

Signature Date October 11, 2024

8. COLO Lab & Species into: 1400	SeaCrest Group Louisville, CO	rCrest Group isville, CO	group SO						Fathead	Fathead Minnow Chronic Benchsheet	Chro	nic B	enc	ıshe	et						Effect	Form #: 103a Effective: March 2022
State Stat	Client: (_O ONN\) Site: Test Sart: 1002241340 Test End: 1002241340	Test End: 1000/4-	Test End: 1000/4-	Si Test End: 1000/24-17	11- <u>1/200</u> 01	is 2	Site:	OIDA	100		Sample	Date: Templa	10012 te:	FHM	IWC:	Sign	itions:	١	ilution H ₂ O	ls (4-050	
10 10 10 10 10 10 10 10	-	-	-	2 3	3	8	1	4	2	9	7	0	1	Н	4	2	9	#			Fish Wt m	
10 10 10 10 10 10 10 10	6.8 5.4 7.1 5.9 7.2 5.7	6.8 5.4 7.1 5.9 7.3 5.7	547159 73 5.7	5.9 7.3 5.7	5.7			41	0.60h	1.7 6.4	8.50	10			9				100250		0.366	S
1, 2, 3, 4, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Temp 75.3 25.3 11 24.5 24.1 24.5 24.1 24.5 24.1	2000 100 00 00 00 00 00 00 00 00 00 00 00	2000 100 00 00 00 00 00 00 00 00 00 00 00	0 t 0 8 L t	00	-+		コマヤー	- 3d - v - 7	0.00		0 0		2 0	20	20	-		1000		20	13
10 10 10 10 10 10 10 10	0 338 725 794 32	338 425 794 32	35 744 32	32	- 01	- 01			318	2010	-	10	0)	0	01	0		#	10577		0.403	Ö
### 174 24 74 74 74 75 75 75 75 7	DO 68 5.4 71 5.8 2.3 5.2 3.4	58 54 71 58 x3 5.2	121 58 23 5.2	5.8 7.3 5.2	5.5	7.4		5.6 z.y	8.17.0	ヹ゚ゔ゙ヹ	9.7	10	0 0	01	0	01	O II	9# (1.0540		10473	
19	12 25.3 754 7W 24.8 24.1 246	25.3 754 74 24.8 24.1 24 6	754 74 24.8 24.1 24.6	24.8 24.1 24.6	.1 24.6			M. F.W.	I'MI I'M	1. MO 57	223	10	300		0	0		#	1073%	-	0.50%	S
\$\(\) \text{2.6} \text{3.7} \tex	PH 8.9 3.5 03.4 80 4.6 8.1	28.03.4.80 7.6	7.8.6.17.80 7.6	7.7 60 4.6					1.0 1.7	5.22.5	1.1	10	2 2 2	0 0	20	30	20 20	# # >	000		250	3
7.7 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	1315 1287 120 + 131	345 (382) 224 (31	52 1 6 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1204 131	151	744		- 11	10000	- 2 - 2 - 2 - 2 - 2 - 2 - 2		2 5	半	20	28	20	2 6	¥ ¥	1001		2017	1
1.0 1.0	72.02	75.05.72.17.86.42.2	15224 1748747 26	178777	4.2	7.4		75	24174	25.00.21.V	727	5 6	15	- 2	, 0	- 0	- 0	# #	-		5200	£
1	13 15 15 15 15 15 15 15 15 15 15 15 15 15	13 15 15 15 15 15 15 15 15 15 15 15 15 15	08 44 64 84 67 84	36 49 44 80	0.8 4.4	0.0		7.84.9	1.018	27.7.0	100	2 0	2	20	20		9	#17	-	-	0.830	53
3.2 3.1 3.5 2.1 3.5 2.1 3.5 3.1	1230 2530 (160 221)	1290 2530 (160 221	2530 060 221	260 221	0122	210		2060	1320	7.380		10	0	2	01	0	(0)	112	-	1.0557	264.0	, Ó
1.5 24 24 24 24 24 24 24 2	5	17 55 05 65 63	17 84 55 0485	1.4 St 55		7.3	4 .		1.71.8	2.572	2 h	10)] (i	0) (01	0	M (V)	113	0.000	1.05700	0.00	7
10 10 10 10 10 10 10 10	3 251 241 CUT, CUC 24.6 24.7	25.3751 241 CM7, 24.6 24.7	25, 24 / 24, 24,2 24,6 24,7	The 9th 242th	f.45 9.43	-1		1 2 5W	241241	25074.I	24.3	10			01	9	2	#14	980	1.0845	0.523	5/
3350 10 10	18139	7.61391 1.839 7	7.61391 1.839 7	1,8 39 7	4	0.6		78 38	1.078	7.7.7.9	2.	9	9	\dashv	=	9	0	#16	000	11 1.05844	0.527	Ş
3.07.5 U() 10 10 10 10 10 10 10 1		3380 3440 SHO	2440 2440	2440		130		3260	3750	3350		10	3	-	2	9	9	0 #16			27.50	Ż
175 174 10 10 10 10 10 14 10 10	57.33.673	52 7.0 53 7.3 3.6 73)53 7.5 3.6 73)53 7.5 3.6 73	よう	よう	V	3.53.5	1.87.1	5.07.5	2	10	6	5	5	0	2	#17	0	$\overline{}$	0.430	Ć
10 10 10 10 10 10 10 10	10 25.3 15.0 24 2 M. 724.3 246 24.9	15024 245 246 249	15024 245 246 249	24.72 24.6 24.9	5 246 24.9 V	24.9	5		24.1	170052	20	10		0	3	9	3 0	#18	5		20.5	5
Coll	7.67.0 19 7- 17	7.27.0 19 7 17.8	7.27.0 19 7 17.8	7.5	7.8	7.9			0-1-1-1	11/2	N N	10	2 3	9	2.5	2	2	#12	-	_		50
10 10 10 10 10 10 10 10	0 4340 4340 4340 4340	4340 HZOO 4340	4340 HZOO 4340	01700 4340	4340	1		2	5	2002	1	9		<u></u>	-	3	2	7 #20	=	_	70.0	2
17.8 74 8 8 7 7 7 7 7 7 7 7	00 7.0 5.7 1.0 5.7 4.5 3.1 73	57 70 7 74 5 31 73	57 70 7 74 5 31 73	17.24.5 3.1 73	3.1 7.3	7.3	1, 2	7	7017	シンという		10		0 0		9,		#2		2 1.047	1000	0
10 0 0 0 0 0 0 0 0 0	10 25.3 CM 10 10 10 10 10 10 10 10 10 10 10 10 10	0 4 7 8 3 0 1 8 1 8 1 8	0 4 7 8 3 0 1 8 1 8 1 8	20 28 7 6 7 8	76 23.1	1.3.	4	7070	121	20707		$\overline{}$	200	2	-4	2 4	26	2 # 6	-	2 1.051	200 X	15
10 #	0020 5110 5150	0020 5110 5150	0020 5110 5150	5110 5150	5150	-	-	H	-	20102		$\overline{}$	-	+	6	2	5	#27		4 1.0708	10	
10 #												9		L			H	#	L			
10 #	Temp											10				П	Н	#				
AD HV WM WM W Prefect # 105544 1.05346 1.053	Н											10	+	+		\top		#				
AN HW HW HW HW HW HW HW H							- 1					10	1	4		1	1	_		7		
Comments: Comm	Initials IC AN AN AN	AU 42	3		4	-		40	Z.	7	5						pretes	_	1.0554	1		
Do: mg/L	7	7	7 2 3	200	7			J	Compa	C)			ľ	inito.	١	Ť	2					
250 mL	Eff 1 Eff 2 Eff 3 Recon Rcv 1 Rcv 2	E#2 E#3 Recon Rcv 1 Rcv 2 Rcv 3	Eff 3 Recon Rcv 1 Rcv 2 Rcv 3	KCV Z KCV 3	KCV 3			Total Cooch	78		-	Š			Jud. mc	-	3) ellis.		I D . A .		
50.2 m Pri: NA Chlor mg/L Sid (\$ 0 P curps Decardor Cond. µS/cm³ NH ₃ : mg/L Sid (\$ 0 P curps Decardor Cond. µS/cm³ NH ₃ : mg/L State at the mia	1000 200	1000 000	2000					Test Solution V	,olime.	250	1 1	- F	ا % در	- 4	Ik: ma	1 =	3		-	J. J.		
Water Depth (constant): 6.5 cm Cond: µS/cm³ NH₃: mg/L 7 Fed: 2x per day V/V Food Used: <24hr artemia	AIK 504 500 1001 4001	2000		0.50			1	Test Solution S	Surface Area:	50.2	CH	H	N N	· 5	lor. mg	1 1/2	U.K.	200	SOUTH	2010		6
Feding Sche	0103 0.91 0.79	091 079	0.79	03				Water Depth (c	constant):		cm	Cond	uS/cm		H₃: mg	7						
Fed:	Feeding 0 1 2 3 4 5 6	0 1 2 3 4 5	1 2 3 4 5	2	2	9		1/2	Feeding (Schedule												
LWY V Food Used:				\ \ \	>	\rightarrow	ŀ	Fed:		2x per da	ay											
	S		2 2 2	2 20	4		- 1	CWY 1500d U	sed:	<24nr arte	mia				1							
	PM Controls 15 AN AN AN ANA	AN HAV	NH THE NA	WHY THE	75	-																

Client: Colowyo Site: 010A

SCG Project No.: 524448.B Project: Quarterly WET

CETIS Ana	alytical	Report							ort Date: : Code/ID:		Oct-24 10: 24448.B / 0	
Fathead Minr	now 7-d La	arval Surviv	al and Growt	h Test							SeaC	rest Grou
Analysis ID: Analyzed:	21-0189- 10 Oct-24		Endpoint: Analysis:	7d Survival I Nonparamet		l vs T	reatments		IS Version us Level:	: CETISv	1.9.6	
Batch ID:	20-5858-	2287	Test Type:	Growth-Surv	ival (7d)			Ana	lyst: Lai	b Tech		
Start Date:	02 Oct-24	4	Protocol:	EPA/821/R-	02-013 (20	002)		Dilu	ent: Re	constituted \	Vater	
Ending Date:	09 Oct-24	4	Species:	Pimephales	promelas			Brin	e: No	t Applicable		
Test Length:	7d 0h		Taxon:	Actinopteryg	ii			Sou	rce: In-	House Cultu	re	Age:
Sample ID:	05-9063-	5492	Code:	524448.B				Proj	ect: WE	ET Quarterly	Complianc	e Test (4Q
Sample Date:	01 Oct-24	4	Material:	POTW Efflu	ent			Sou	rce: NP	DES Permit	# (XX9999	9999)
Receipt Date:	02 Oct-24	4	CAS (PC):					Stat	ion: 00°	1A		
Sample Age:	24h		Client:	Colowyo								
Data Transfor			Нур					NOEL	LOEL	TOEL	TU	PMSD
Angular (Corre	ected)	C >	Т					100	>100	n/a	1	9.57%
Steel Many-O	ne Rank S	Sum Test										
YOU THE STORY OF THE		onc-%	Test		201.0100.000		P-Type	P-Value	Decision			
Dilution Water			16	10	1	6	CDF	0.6105	100	nificant Effec		
	40		16	10	1	6	CDF	0.6105		nificant Effec		
	60		18	10	1	6	CDF	0.8333	-	nificant Effec		
	80		16	10	1	6	CDF	0.6105	•	nificant Effec		
	10	0	12	10	1	6	CDF	0.1424	Non-Sigr	nificant Effec	t	
ANOVA Table).											
Source		m Squares		Square	DF		F Stat	P-Value	Decision			
Between		957229	0.019		5		2.289	0.0893	Non-Sigr	nificant Effec	t	
Error		50572	0.008	3651	18							
Total	0.2	46295			23							
ANOVA Assu	mptions T	ests										
Attribute	Tes	st			Test	Stat	Critical	P-Value	Decision	η(α:1%)		
Variance	Bar	tlett Equality	of Variance 1	Γest					Indeterminate			
Distribution	Sha	apiro-Wilk W	Normality Te	st	0.789	6	0.884	2.0E-04	Non-Norr	mal Distribut	ion	
7d Survival R	ate Sumn	nary										
Conc-%	Co	A STATE OF THE STA	unt Mean	95% LC	L 95%	UCL	Median	Min	Max	Std Err	CV%	%Effect
0	D	4	1.000	0 1.0000	1.000	0	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
20		4	0.975	0.8954	1.000	0	1.0000	0.9000	1.0000	0.0250	5.13%	2.50%
40		4	0.975	0.8954	1.000	0	1.0000	0.9000	1.0000	0.0250	5.13%	2.50%
50		4	1.000	0 1.0000	1.000	0	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
80		4	0.975		1.000		1.0000	0.9000	1.0000	0.0250	5.13%	2.50%
100		4	0.875	0 0.6748	1.000	0	0.9000	0.7000	1.0000	0.0629	14.38%	12.50%
	rected) Tra	ansformed :	Summary									
Angular (Corr							Median	Min	Max	Std Err	CV%	%Effect
Conc-%	Co		4 440	1.412	1.412		1.412	1.412	1.412	0	0.00%	0.00%
Conc-%	D	4	1.412	1.412								
Conc-%		4 4	1.412	1.412	1.501		1.412	1.249	1.412	0.04074	5.94%	2.89%
Conc-% 0 20 40		4	1.371 1.371	1.242 1.242	1.501 1.501		1.412 1.412	1.249 1.249	1.412 1.412	0.04074 0.04074	5.94% 5.94%	2.89% 2.89%
Conc-% 0 20 40		4 4 4	1.371 1.371 1.412	1.242 1.242								
Angular (Corr Conc-% 0 20 40 60 80 100		4	1.371 1.371	1.242 1.242 1.412 1.242	1.501		1.412	1.249	1.412	0.04074	5.94%	2.89%

003-715-114-2

CETIS™ v1.9.6.14

Analyst: M QA:

CETIS	S Ana	llytical Rep	ort							port Date: st Code/ID				:46 (p 1 of : 01-2114-608
Fathea	d Minn	ow 7-d Larval	Surviva	l and	Growt	h Test							Sea	Crest Grou
Analys	is ID:	12-8816-0405		End	point:	7d Survival Rat	te		CE	TIS Version	on:	CETISv	1.9.6	
Analyz	ed:	10 Oct-24 10:4	6	Ana	lysis:	Linear Interpola	ation (ICPIN)	į	Sta	atus Level	:	1		
Batch	ID:	20-5858-2287		Test	Type:	Growth-Surviva	al (7d)		An	alyst: L	_ab Te	ech		
Start D	ate:	02 Oct-24		Prot	ocol:	EPA/821/R-02-	013 (2002)		Dil	uent: F	Recon	stituted	Water	
Ending	Date:	09 Oct-24		Spe	cies:	Pimephales pro	omelas		Bri	ine: N	Not Ap	oplicable		
Test Le	ength:	7d 0h		Taxo	on:	Actinopterygii			So	urce: I	n-Hou	use Cultu	ire	Age:
Sample	e ID:	05-9063-5492		Cod	e:	524448.B			Pro	oject: V	NET (Quarterly	Complian	ce Test (4Q
Sample	e Date:	01 Oct-24		Mate	erial:	POTW Effluent	t		So	urce: N	NPDE	S Permit	t # (XX9999	99999)
Receip	t Date:	02 Oct-24		CAS	(PC):				Sta	ation: 0	001A			
Sample	e Age:	24h		Clie	nt:	Colowyo								
Linear	Interpo	olation Options												
X Tran	sform	Y Transfor	m	See	d	Resamples	Exp 95%	CL Met	nod					
Linear		Linear		1264	1723	1000	Yes	Two	Point Inte	rpolation				
Point E	Stimat	es												
Level	%	95% LCL	95%	UCL	TU	95% LCL	95% UCL							
LC5	85	63.29	n/a		1.176	n/a	1.58							
LC10	95	81.67	n/a		1.053	n/a	1.224							
LC15	>100	n/a	n/a		<1	n/a	n/a							
LC20	>100	n/a	n/a		<1	n/a	n/a							
LC25	>100	n/a	n/a		<1	n/a	n/a							
LC40	>100	n/a	n/a		<1	n/a	n/a							
LC50	>100	n/a	n/a		<1	n/a	n/a							
7d Sur	vival Ra	ate Summary					Calcu	lated Varia	te(A/B)				Isoto	nic Variate
Conc-%	6	Code	Cour	nt	Mean	Min	Max	Std Dev	CV%	%Effec	ct /	A/B	Mean	%Effect
)		D	4		1.000	1.0000	1.0000	0.0000	0.00%	0.0%	4	40/40	1	0.0%
20			4		0.975		1.0000	0.0500	5.13%	2.5%	3	39/40	0.9833	1.67%
10			4		0.9750		1.0000	0.0500	5.13%	2.5%	3	39/40	0.9833	1.67%
50			4		1.0000		1.0000	0.0000	0.00%	0.0%	4	10/40	0.9833	1.67%
30			4		0.9750		1.0000	0.0500	5.13%	2.5%	3	39/40	0.975	2.5%
00			4		0.8750	0.7000	1.0000	0.1258	14.38%	12.5%	3	35/40	0.875	12.5%
		ate Detail												
							F-1000							
Conc-%		Code	Rep		Rep 2		Rep 4							
Conc-%		Code	1.000	00	1.0000	1.0000	1.0000							
Conc-%) 20		1100014100140	1.000	00	1.0000	1.0000 1.0000	1.0000 0.9000							
Conc-%) 20 40		1100014100140	1.000 1.000 0.900	00 00 00	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000	1.0000 0.9000 1.0000							
Conc-% 0 20 40		1100014100140	1.000 1.000 0.900 1.000	00 00 00	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000 1.0000	1.0000 0.9000							
		1100014100140	1.000 1.000 0.900	00 00 00	1.0000 1.0000 1.0000	1.0000 1.0000 1.0000 1.0000	1.0000 0.9000 1.0000							

003-715-114-2

CETIS™ v1.9.6.14

Analyst: CM QA: HW

Client: Colowyo Site: 010A SCG Project No.: 524448.B Project: Quarterly WET

Fathead Minn	ow 7-d Larva	I Survival a	and Growth T	est						Sea	Crest Grou
Analysis ID: Analyzed:	07-2568-4247 10 Oct-24 10			ean Dry Bion rametric-Co	_	atments		IS Version	n: CETISv ⁻ 1	1.9.6	
Batch ID:	20-5858-2287	, т	est Type: Gr	owth-Surviv	al (7d)		Anal	yst: La	ab Tech		
Start Date:	02 Oct-24	P	rotocol: EF	PA/821/R-02	-013 (2002)		Dilu	ent: R	econstituted \	Water	
Ending Date:	09 Oct-24	S	pecies: Pi	mephales pr	omelas		Brin	e: N	ot Applicable		
Test Length:	7d 0h	Т	axon: Ac	tinopterygii			Sou	rce: In	-House Cultu	re	Age:
Sample ID:	05-9063-5492	2 0	ode: 52	4448.B			Proj	ect: V	/ET Quarterly	Compliand	e Test (40
Sample Date:	01 Oct-24	N	laterial: PO	OTW Effluen	t		Sou	rce: N	PDES Permit	# (XX9999	19999)
Receipt Date:	02 Oct-24	C	AS (PC):				Stati	ion: 00	01A		
Sample Age:	24h	c	client: Co	olowyo							
Data Transfor		Alt Hy	р				NOEL	LOEL	TOEL	TU	PMSD
Untransformed	ı	C > T					100	>100	n/a	1	22.31%
Dunnett Multip	ple Comparis	on Test									
Control v	vs Conc-	%	Test Stat	Critical	MSD D	F P-Type	P-Value	Decisio	n(α:5%)		
Dilution Water	20		-0.9808	2.407	0.093 6	CDF	0.9818	Non-Sig	nificant Effec	t	
	40		-2.15	2.407	0.093 6	CDF	0.9994	Non-Sig	nificant Effec	:t	
	60		-2.676	2.407	0.093 6	CDF	0.9999	Non-Sig	nificant Effec	:t	
	80		-0.8769	2.407	0.093 6	CDF	0.9761	Non-Sig	nificant Effec	t	
	100		0.13	2.407	0.093 6	CDF	0.7922	Non-Sig	nificant Effec	t	
ANOVA Table											
Source	Sum So	E-11-5-4-00-74-15-YOU-VA	Mean Sq	uare	DF	F Stat	P-Value	Decisio	n(a:5%)		
Between	0.03776										
			0.007552		5	2.549	0.0651	Non-Sig	nificant Effec	t	
	0.05332	:58	0.007552 0.002962		18	2.549	0.0651	Non-Sig	nificant Effec	t	
		:58				2.549	0.0651	Non-Sig	nificant Effec	t	
Total	0.05332 0.09108	99			18	2.549	0.0651	Non-Sig	nificant Effec	t	
Total ANOVA Assum Attribute	0.05332 0.09108	99			18	_	0.0651 P-Value			t	
Total ANOVA Assum Attribute Variance	0.05332 0.09108 nptions Tests Test Bartlett	58 99 Equality of	0.002962	5	18	_		Non-Sig Decisio Equal V	n(α:1%)	t	
Error Total ANOVA Assum Attribute Variance Distribution	0.05332 0.09108 nptions Tests Test Bartlett	58 99 Equality of	0.002962	5	18 23 Test Stat	Critical	P-Value	Decisio Equal V	n(α:1%)	t	
Total ANOVA Assum Attribute Variance Distribution	0.05332 0.09108 nptions Tests Test Bartlett Shapiro-	Equality of Y	0.002962	5	18 23 Test Stat 4.223	Critical 15.09	P-Value 0.5178	Decisio Equal V	n(α:1%) ariances	t	
Total ANOVA Assum Attribute /ariance Distribution Mean Dry Bion Conc-%	0.05332 0.09108 nptions Tests Test Bartlett Shapiro- mass-mg Surr Code	Equality of Y	0.002962	5	18 23 Test Stat 4.223 0.9807	Critical 15.09 0.884	P-Value 0.5178	Decisio Equal V	n(α:1%) ariances		%Effect
Total ANOVA Assum Attribute /ariance Distribution Mean Dry Bion Conc-%	0.05332 0.09108 nptions Tests Test Bartlett Shapiro-	Equality of Volumery Count	0.002962 Variance Test rmality Test	5	18 23 Test Stat 4.223 0.9807	Critical 15.09 0.884	P-Value 0.5178 0.9092	Decisio Equal V Normal I	n(α:1%) ariances Distribution	CV%	%Effect
Total ANOVA Assurr Attribute Variance Distribution Mean Dry Bion Conc-%	0.05332 0.09108 nptions Tests Test Bartlett Shapiro- mass-mg Surr Code	Equality of Volumery Count 4	variance Test rmality Test Mean 0.4153 0.453	95% LCL	18 23 Test Stat 4.223 0.9807 95% UCL	Critical 15.09 0.884	P-Value 0.5178 0.9092	Decisio Equal Va Normal I	n(α:1%) ariances Distribution Std Err		0.00%
ANOVA Assum Attribute /ariance Distribution Mean Dry Bion Conc-%	0.05332 0.09108 nptions Tests Test Bartlett Shapiro- mass-mg Surr Code	Equality of Volumery Count 4 4 4	Variance Test Mean 0.4153 0.453 0.498	95% LCL 0.3487 0.3732 0.4635	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818	Critical 15.09 0.884 Median 0.416	P-Value 0.5178 0.9092 Min 0.365	Decisio Equal Va Normal I	n(a:1%) ariances Distribution Std Err 0.0209	CV% 10.07%	0.00% -9.09%
Total ANOVA Assum Attribute /ariance Distribution Mean Dry Bion Conc-% 00 00 00	0.05332 0.09108 nptions Tests Test Bartlett Shapiro- mass-mg Surr Code	Equality of Volumery Count 4 4 4 4	0.002962 Variance Test mean 0.4153 0.453 0.498 0.5183	95% LCL 0.3487 0.3732 0.4635 0.4013	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525	P-Value 0.5178 0.9092 Min 0.365 0.39	Decisio Equal Va Normal I	n(a:1%) ariances Distribution Std Err 0.0209 0.02506	CV% 10.07% 11.06%	0.00% -9.09% -19.93%
ANOVA Assum Attribute /ariance joistribution /fean Dry Bion Conc-%	0.05332 0.09108 nptions Tests Test Bartlett Shapiro- mass-mg Surr Code	Equality of Wilk W Normary Count 4 4 4 4 4	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259	Critical 15.09 0.884 Median 0.416 0.457 0.4895	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483	Decisio Equal Vi Normal I	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083	CV% 10.07% 11.06% 4.35%	0.00% -9.09% -19.93%
ANOVA Assum Attribute /ariance Distribution Mean Dry Bion Conc-% 0 0 0 0 0 0 0 0	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of V-Wilk W No. The Count 4 4 4 4 4 4 4 4 4	0.002962 Variance Test mean 0.4153 0.453 0.498 0.5183	95% LCL 0.3487 0.3732 0.4635 0.4013	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422	Decisio Equal Va Normal I Max 0.464 0.508 0.53 0.601	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675	CV% 10.07% 11.06% 4.35% 14.18%	0.00% -9.09% -19.93% -24.80%
ANOVA Assum Attribute //ariance Distribution Mean Dry Bion Conc-% 0 0 0 0 0 0 fean Dry Biom	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of V-Wilk W No. The Count 4 4 4 4 4 4 4 4 4	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute Variance Distribution Mean Dry Bion Conc-% 00 00 Mean Dry Biom Conc- Mean Dry Biom Conc- Mean Dry Biom Conc- Mean Dry Biom Conc- Mean Dry Biom	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of V-Wilk W No. The state of the s	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102 Rep 2	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute Variance Distribution Mean Dry Bion Conc-% 00 00 Mean Dry Biom Conc-%	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of 1-Wilk W No. Count 4	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259 0.5262	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute //ariance //ar	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of V-Wilk W No. The state of the s	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102 Rep 2	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259 0.5262	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute Variance Distribution Mean Dry Bion Conc-% 00 00 Mean Dry Biom Conc-% 00 00 Mean Dry Biom Conc-%	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of 1-Wilk W No. Count 4	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102 Rep 2 0.429	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943 Rep 3 0.464	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259 0.5262 Rep 4	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute Variance Distribution Mean Dry Bion Conc-% 0 0 0 0 Mean Dry Biom Conc-% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of 1-Wilk W No. Count 4	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102 Rep 2 0.429 0.508	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943 Rep 3 0.464 0.441	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5325 0.6352 0.5259 0.5262 Rep 4 0.403 0.39	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%
ANOVA Assum Attribute Variance Distribution Mean Dry Bion Conc-% 00 00 Mean Dry Biom Conc-% 00 00 Mean Dry Biom Conc-%	0.05332 0.09108 Inptions Tests Test Bartlett Shapiro- mass-mg Sum Code D	Equality of 1 Wilk W No mary Count 4 4 4 4 1 Rep 1 0.365 0.473 0.483	0.002962 Variance Test Mean 0.4153 0.453 0.498 0.5183 0.449 0.4102 Rep 2 0.429 0.508 0.487	95% LCL 0.3487 0.3732 0.4635 0.4013 0.3721 0.2943 Rep 3 0.464 0.441 0.53	18 23 Test Stat 4.223 0.9807 95% UCL 0.4818 0.5328 0.5325 0.6352 0.5259 0.5262 Rep 4 0.403 0.39 0.492	Critical 15.09 0.884 Median 0.416 0.457 0.4895 0.525 0.4505	P-Value 0.5178 0.9092 Min 0.365 0.39 0.483 0.422 0.392	Decisio Equal V: Normal I Max 0.464 0.508 0.53 0.601 0.503	n(a:1%) ariances Distribution Std Err 0.0209 0.02506 0.01083 0.03675 0.02417	CV% 10.07% 11.06% 4.35% 14.18% 10.77%	0.00% -9.09% -19.93% -24.80% -8.13%

003-715-114-2

CETIS™ v1.9.6.14

Analyst: CM QA: HW

Client: Colowyo Site: 010A CO-0045161 SCG Project No.: 524448.B Project: Quarterly WET

CETIS	S Ana	lyti	cal Repo	ort							Report Da					46 (p 2 of 2
Name of State of Stat											Test Code	e/ID:		5244		11-2114-608
Fathea	d Minn	ow 7	7-d Larval S	Surviva	l and	Growt	h Test								SeaC	rest Group
Analys	is ID:	15-9	9384-3588		End	point:	Mean Dry Bion	nass-mg			CETIS Ve	rsion:	CET	ΓISv1.9.	.6	
Analyz	ed:	10 (Oct-24 10:46	5	Ana	lysis:	Linear Interpol	ation (ICPIN)		Status Le	vel:	1			
Batch	ID:	20-	5858-2287		Test	Туре:	Growth-Surviva	al (7d)			Analyst:	Lab	Tech			
Start D			Oct-24		Prot	ocol:	EPA/821/R-02	-013 (2002)			Diluent:	Reco	onstitu	ited Wa	ter	
Ending	Date:	09 (Oct-24		Spe	cies:	Pimephales pr	omelas			Brine:	Not A	Applic	able		
Test Le	ength:	7d	0h		Taxo	on:	Actinopterygii				Source:	In-H	ouse (Culture		Age:
Sample	e ID:	05-9	9063-5492		Cod	e:	524448.B				Project:	WET	Quar	terly Co	mpliano	e Test (4Q)
Sample	e Date:	01 (Oct-24		Mate	erial:	POTW Effluen	t			Source:	NPD	ES Pe	ermit # (XX9999	9999)
Receip					CAS	(PC):					Station:	001 <i>A</i>	4			
Sample	e Age:	24h			Clie	nt:	Colowyo									
Linear	Interpo	olatio	on Options													
X Trans	sform		Y Transform	n	See	t	Resamples	Exp 95%	CL Met	thod						
Linear		I	₋inear		1785	792	1000	Yes	Two	-Point	Interpolation	n				
Point E	stimat	es		-					•							
Level	%		95% LCL	95%	UCL	TU	95% LCL	95% UCL								
C5	80.74	1	59.23	n/a	10	1.239	n/a	1.688								
C10	92.9		63.95	n/a		1.076	n/a	1.564								
C15	>100		n/a	n/a		<1	n/a	n/a								
C20	>100	-	n/a	n/a		<1	n/a	n/a								
C25	>100		n/a	n/a		<1	n/a	n/a								
IC40	>100		n/a	n/a		<1	n/a	n/a								
C50	>100		n/a	n/a		<1	n/a	n/a								
Mean D	ry Bior	nass	s-mg Summ	nary				Cal	culated Va	ariate					Isoton	ic Variate
Conc-%	, 0		Code	Coun	t	Mean	Min	Max	Std Dev	CV%	%Ef	fect			/lean	%Effect
)			D	4		0.4153	0.365	0.464	0.0418	10.0					0.4711	0.0%
20				4		0.453	0.39	0.508	0.05012	11.00					.4711	0.0%
10				4		0.498	0.483	0.53	0.02165	4.35					.4711	0.0%
60				4		0.5183	0.422	0.601	0.07351	14.18					.4711	0.0%
30				4		0.449	0.392	0.503	0.04834	10.7					.449	4.7%
00				4		0.4102	0.346	0.515	0.07285	17.76					.4102	12.92%
lean D	ry Bion	nass	-mg Detail													
Conc-%			Code	Rep 1		Rep 2	Rep 3	Rep 4								
)			D	0.365		0.429	0.464	0.403								
20				0.473		0.508	0.441	0.39								
0				0.483		0.487	0.53	0.492								
0				0.601		0.523	0.527	0.422								
0				0.43		0.471	0.527									
00				0.515				0.392								
				0.515		0.346	0.39	0.39								

003-715-114-2

CETIS™ v1.9.6.14

Analyst: M QA: HW

Appendix 4 - QA/QC and Reference Toxicant Test Chart

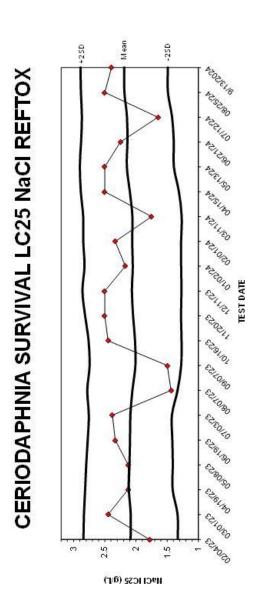
${\bf Quality\ Assurance\ Check\ List-Chronic\ Whole\ Effluent\ Toxicity\ Test}$

	Concer List Chrome Whole Linux	•
Client:	Colowyo Coal Company	
SeaCrest Sample No:	524448.B	
Species Tested:	Ceriodaphnia dubia and fathead n	ninnow
Sample Dates	Start Date of Test (Ceriodaphnia dubia)	Start Date of Test (fathead minnow)
10-01-2024 10-02-2024 10-03-2024	10-02-2024	10-02-2024
10 00 2021	10 02 2021	10 02 2021
Sample received in lab proper	• •	Y
•	within 36 hours of collection?	Y
Sample delivered on ice or eq	•	Y
Test initiated within 36-hours		Y
•	PHE guidelines (<i>Ceriodaphnia dubia</i>)	
•	PHE guidelines (fathead minnow)?	Y
Average test temp. ±1°C (Cer	iodaphnia dubia)?	Y
Average test temp. ±1°C (fath		Y
	-saturation (Ceriodaphnia dubia)?	Y
DO level \geq 4.0mg/L; no super	-saturation (fathead minnow)?	\mathbf{Y}
Survival in control ≥80% (<i>Ce</i>	<u>*</u>	Y
Survival in control ≥80% (fat	head minnow)?	\mathbf{Y}
Ceriodaphnia dubia neonates	<24-hours old?	Y
Fathead minnow larvae <24-h	nours old?	Y
Appropriate reference toxicity	y test conducted?	Y
Reference toxicity test results	within the confidence limits for the la	b? Y
Author Of My	Date O	october 11, 2024
Position: Laboratory Manager		
Quality Control Kalus	Date O	october 11, 2024

Client: Colowyo Site: 010A SCG Project No.: 524448.B Project: Quarterly WET

.	ENVIRONMENTAL SERVICES LABORATORY					
Method	Analyte	Date	LCS (rec)	%REC	%RPD	QC LIMITS
2320 B		9/3/2024	100.80%	97.15%	%96.0-	+ 5.00%
2320 B		9/12/2024	102.40%	95.96%	1.00%	± 5.00%
2320 B		9/17/2024	100.80%	97.45%	-1.51%	+ 5.00%
2320 B		9/26/2024	%09'26	98.88%	-1.05%	± 5.00%
4500 NH ₃ D		9/5/2024	91.60%	94.70%	-0.90%	± 10.00%
4500 NH ₃ D		9/12/2024	97.80%	97.22%	4.26%	± 10.00%
4500 NH ₃ D		9/19/2024	%09.96	84.90%	1.28%	± 10.00%
4500 NH ₃ D		9/26/2024	%09.96	98.11%	-4.59%	± 10.00%
4500 CI D		9/26/2024	96.55%	96.43%	%00.0	\pm 5.00, \pm 20.00%
2340 B	Hardness - Total	9/5/2024	103.51%	100.99%	1.78%	± 5.00%
2340 B	Hardness - Total	9/12/2024	98.20%	101.00%	0.00%	± 5.00%
2340 B	Hardness - Total	9/19/2024	102.00%	100.00%	2.60%	± 5.00%
2340 B	Hardness - Total	9/26/2024	100.00%	%90.66	1.20%	± 5.00%
			LCS (rec)	%REC M1	%REC M2	QC Limits
4500 O	DO - Winkler	9/6/2024	N/A	98.55%	98.55%	± 5.00%
4500 O	DO - Winkler	9/13/2024	N/A	101.40%	97.30%	± 5.00%
4500 O	DO - Winkler	9/20/2024	N/A	98.63%	98.61%	± 5.00%
4500 O	DO - Winkler	9/27/2024	N/A	100.00%	%26.96	± 2.00%
			Blank	%REC MR S	%RPD	QC Limits
2540 D	Suspended Solids (TTL)	9/25/2024	100.00%	95.81%	%00.0	± 15%
2540 C	Dissolved Solids (TTL)	9/27/2024	100.00%	114.00%	%00.0	± 15%
	1700000	+				10 Clark, A
Signature:	: XIMONON MANY				Signature:	Catallo Xa
Date:	Octoběr 1, 2024	X			Date:	October 1st, 2024

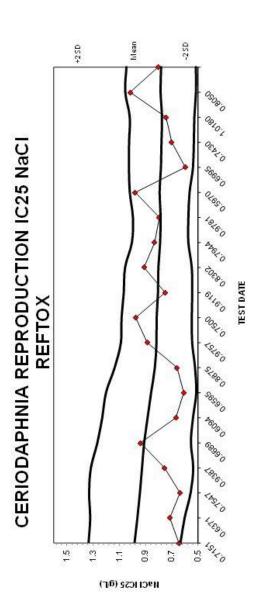
SeaCrest Group 500 S Arthur Ave. Suite 450 Louisville, CO 80027 (303) 661.9324 FAX (303) 661.9325



Site: 010A

1.7860 2.4480 2.1300 2.1300 2.3780 1.4375 1.4375 2.4480 2.5000 2.5000 2.5000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000 2.25000	Mean -2 SD +2 SD +2 SD	1.3307	1.3336	1.4129	1.4102	1.4176	2.0907 1.4243 2.7571	1.3336	1.2766	1.2703	1.2784	1.2717	1.2767	1.2774	1.2678	1.3131	1.3927	1.3941	1.4215	1.4885	
I II	LC25	1.7860	2.4480	2.1300	2.1250	2.3330	2.3780	1.4375	1.5000	2.4480	2.5000	2.5000	2.1720	2.3330	1.7500	2.5000	2.5000	2.2500	1.6500	2.5000	

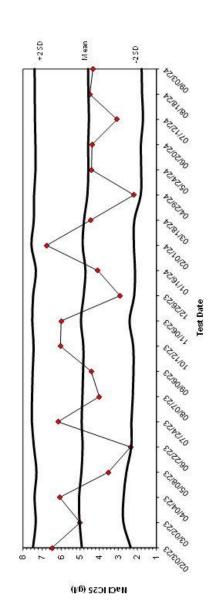
CO-0045161 SCG Project No.: 524448.B Project: Quarterly WET



Client: Colowyo Site: 010A

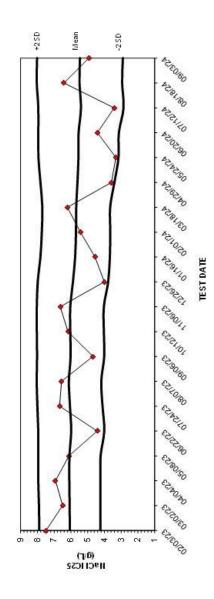
Date	IC25	Mean	-2 SD	+2 SD
(23	0.6458	0.9841	0.6340	1.3342
123	0.7151	0.96211755	0.602089347	1.322145753
(23	0.6371	0.9431	0.5562	1.3300
(23	0.7547	0.9267	0.5369	1,3165
/23	0.9387	0.9105	0.5540	1.2670
/23	0.6689	0.8843	0.5384	1,2302
/23	0.6094	0.8575	0.5136	1.2014
123	0.6595	0.8290	0.5226	1.1353
/23	0.8875	0.8164	0.5450	1.0878
11/20/23	0.9757	0.8150	0.5474	1.0826
/23	0.7500	0.8049	0.5440	1.0658
124	0.9119	0.8019	0.5477	1.0560
/24	0.8302	0.7888	0.5736	1.0040
124	0.7944	0.7848	0.5734	0.9962
124	0.9781	0.7923	0.5644	1.0202
/24	0.5970	0.7824	0.5384	1.0265
/24	0.6995	0.7784	0.5315	1.0252
124	0.7430	0.7741	0.5279	1.0202
124	1.0180	0.7853	0.5160	1.0545
09/13/24	0.8050	0.7810	0.5161	1.0458

FHM SURVIVAL LC25 NaCI REFTOX



+2 SD	7.4818	7.3361	7.3978	7.2979	7.4321	7.5370	7.5269	7.4948	7.4487	7.5142	7.4725	7.3289	7.5596	7.4374	7.4222	7.3461	7.3510	7.3739	7.3867	7.3926
-2 SD	2.3524	2.7367	2.7278	2.5790	2.3230	2.3130	2.2436	2.2052	2.2221	2.4111	2.1721	2.1284	2.1868	2.1625	1.8268	1.8037	1.8168	1.7090	1.7560	1.7805
Mean	4.9171	5.0364	5.0628	4.9385	4.8775	4.9250	4.8853	4.8500	4.8354	4.9627	4.8223	4.7287	4.8732	4.7999	4.6245	4.5749	4.5839	4.5415	4.5714	4.5865
IC25	6.4800	5.0000	6.0800	3.5230	2.3600	6.1696	4.0000	4.4240	6.0360	6.0000	2.9120	4.0800	6.7670	4.4550	2.1900	4.4090	4.3800	3.0670	4.5000	4,3333
Date	02/03/23	03/02/23	04/04/23	05/08/23	06/22/23	07/24/23	08/07/23	09/06/23	10/12/23	11/06/23	12/26/23	01/16/24	02/01/24	03/18/24	04/29/24	05/24/24	06/20/24	07/12/24	08/18/24	09/03/24

FHM GROWTH IC25 NaCI REFTOX



IC25 Mean 7.4870 6.0624 6.5000 6.0758 6.1200 6.0934 6.1200 6.0878 6.6760 6.0878 6.5670 6.0591 6.5670 6.0194 6.6360 6.0194 6.750 6.0159 6.250 6.0363 4.0036 6.0363 5.4310 5.6878 5.4310 5.6828 5.7497 5.6828 3.3150 5.5550 4.4150 5.5403 5.4180 5.4037 6.4180 5.4037	Mean -2 SD +2 SD	6.0624 4.2424 7.8824	4.2468	4.2384	4.2341	4.0146	591 4.1185 7.9998	4.1925	4.0192	4.0372	4.0375	3.7796	3.6808	3.6572	3.6624	3.4072	3.1637	3.1435	2.8641	
					West of the second											ARC.			20	