



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

January 23, 2017

VIA Electronic Mail

Mr. Brock Bowles
Division of Reclamation, Mining, & Safety
Coal Program Support Staff
1313 Sherman Street, RM 215
Denver, Colorado 80203

RE: December 2016 Discharge Monitoring Report Submittal
CDPS Permit #CO-0000213
Elk Ridge Mining and Reclamation, New Horizon Mine
DRMS Mine Permit #C-1981-008

Dear Mr. Bowles:

Enclosed are the Discharge Monitoring Reports (DMR) for the Elk Ridge Mining and Reclamation, LLC, New Horizon Mine CDPS Permit No. CO-0000213 for December 2016. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent to Elk Ridge Mining and Reclamation. The enclosed December DMRs were submitted electronically through the EPA's NetDMR program.

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

Sincerely,

Daniel J. Casiraro
Senior Manager
Environmental Services

DJC:DC:db

Enclosures

cc: Darlene Crosby (via email)
Tom Fry (via email)
Chantell Johnson (via email)



DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

012
External Outfall

Discharge:

012-A
SR and Mine Drainage to Tuttle Draw

Report Dates & Status

Monitoring Period:

From 12/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

TSS & Fe limits will be waived & settleable solids limit applied for 10YR/24HR precip event - see pp 8-9 for requirements.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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			
00400	pH	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9 MAXIMUM	12 - SU			
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35 30DA AVG	<=	70 MX 7D AV	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	3000 30DA AVG	<=	6000 DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
03582	Oil and grease	1 - Effluent Gross	0	--	Sample														77/77 - Contingent	GR - GRAB
					Permit Req.										<=	10 INST MAX	19 - mg/L			
					Value NODI											C - No Discharge				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	IN - INSTAN
					Permit Req.	<=	1.09 30DA AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI		C - No Discharge		C - No Discharge											
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample														01/07 - Weekly	VI - VISUAL
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1										
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

012
External Outfall

Discharge:

012-Q
Quarterly Monitoring for 012A

Report Dates & Status

Monitoring Period:

From 10/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see Appendix B, #29, pg 43.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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		
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					Value NODI									C - No Discharge					
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

012
External Outfall

Discharge:

012-S
Semi-Annual Monitoring for 012A

Report Dates & Status

Monitoring Period:

From 07/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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		
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L		
					Value NODI											C - No Discharge			
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L		
					Value NODI											C - No Discharge			
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

013
External Outfall

Discharge:

013-A
SR & Mine Drainage to Tuttle Draw

Report Dates & Status

Monitoring Period:

From 12/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

TSS & Fe limits will be waived & settleable solids limit applied for 10YR/24HR precip event - see pg 7 for requirements.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI: --

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.64			=	6.73	12 - SU		03/30 - Three Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9 MAXIMUM	12 - SU	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								=	2.2			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	1725	=	1790	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	3000 30DA AVG	<=	6000 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample								<	50	<	50	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	1120	=	1130	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	4120 30DA AVG	<=	4738 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.3	<	0.3	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	26 30DA AVG	<=	26 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
03582	Oil and grease	1 - Effluent Gross	0	--	Sample															
					Permit Req.										<=	10 INST MAX	19 - mg/L		77/77 - Contingent	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.647	=	0.69	03 - MGD									01/01 - Daily	IN - INSTAN
					Permit Req.	<=	1.44 30DA AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	IN - INSTAN
					Value NODI															
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	0	AB - abst=0;prst=1									03/30 - Three Per Month	VI - VISUAL
					Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - VISUAL
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

013
External Outfall

Discharge:

013-Q
Quarterly Monitoring for 013A

Report Dates & Status

Monitoring Period:

From 10/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly Monitoring - see Appendix B, #29, pg 43

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

013
External Outfall

Discharge:

013-S
Semi-Annual Monitoring for 013A

Report Dates & Status

Monitoring Period:

From 07/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

013
External Outfall

Discharge:

013-X
CHRONIC WET TESTING FOR 013A

Report Dates & Status

Monitoring Period:

From 10/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

See Part I.D.1 of permit for details of test procedure. Report NOEC using test code "S". Report IC25 using test code "P". Report highest number between "P" and "S" at "T" for each parameter. IWC=100%.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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	
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	4	--	Sample						=	40.4					2G - tox chronic	0
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	
					Value NODI													
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	4	--	Sample						=	20					2G - tox chronic	0
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	
					Value NODI													
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	4	--	Sample						=	40.4					2G - tox chronic	0
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	
					Value NODI													
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	4	--	Sample						>	100					2G - tox chronic	0
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	
					Value NODI													
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	4	--	Sample						=	100					2G - tox chronic	0
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	
					Value NODI													
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	T - See Comments	4	--	Sample						>	100					2G - tox chronic	0
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	
					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

On November 2, 2016, Tri-State received a lab report with the WET test results for Pond 013 and written notification was sent to WQCD on November 4, 2016 (see attached). The facility initiated accelerated WET testing for the sensitive species in accordance with Part I.D.1.c of the permit. Two consecutive accelerated WET tests passed the required criteria and therefore Tri-State reported no pattern of toxicity and normal WET testing will be resumed in accordance with Part I.D.1.c.i of the permit.

Attachments

Name	Type	Size
170110_NH2_WET_Testing_Walz_to_Mink.pdf	pdf	455197
161104_NH2_Notification_of_WET_Test_Results_and_Accelerated_WET_Testing_Walz_to_Mink.pdf	pdf	512067
Dec_2016_NH2_1st_Accel_COC_and_summaries.pdf	pdf	569341
Dec_2016_NH2_2nd_Accel_COC_and_summaries.pdf	pdf	557247
161102_NH2_WET_testing_results_and_chains.pdf	pdf	765561

Report Last Saved By

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

**TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.**

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

November 4, 2016

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

RE: Notification of Chronic WET Results for Outfall 013 and
Accelerated WET Testing Notification
New Horizon Mine, CDPS Permit #CO-0000213

Dear Mr. Mink:

On November 2, 2016, the third party laboratory, The Seacrest Group, provided the enclosed analytical report to Tri-State Generation and Transmission Association (Tri-State) containing the fourth quarter Whole Effluent Toxicity (WET) testing results for Outfall 013 at the Elk Ridge Mining and Reclamation, LLC (Elk Ridge) New Horizon Mine (CDPS Permit #CO-0000213). Tri-State is the parent of Elk Ridge. Therefore, we are providing the required notification of WET results, in accordance with Part I.D.1b of the permit.

Outfall	Species	Reproduction Results		IWC
		NOEC*	IC25**	
013	<i>Ceriodaphnia dubia</i>	20%	40.4%	100%

*NOEC means “no observed effect concentration” at which concentration there are no observable adverse effects on the organisms.

**IC25 means inhibition concentration causing a 25% reduction in the biological measurement.

As noted in the recent permit modification, fourth and first quarter WET testing is “report only” at Outfall 013 until September 30, 2020 (delayed effective date). While the NOEC and IC25 are reported, results below the instream waste concentration (IWC) are not a permit violation.

In accordance with the permit, the facility is commencing accelerated WET testing next week for the sensitive species for this outfall location to determine if there is a pattern of toxicity. We will report these results to the Division when available. We will also be submitting the initial WET test summary and chains of custody with the December 2016 Discharge Monitoring Report (DMR) by January 28, 2017.



Mr. Eric Mink
November 4, 2016
Page 2

If you have any questions on this notification, please contact Chantell Johnson at 303-254-3185 (cjohnson@tristategt.org) or Darlene Crosby at 303.254.3055 (dcrosby@tristategt.org).

Sincerely,

Barbara A. Walz
Senior Vice President
Policy and Compliance
Chief Compliance Officer

BAW:CJ:db

Enclosures

cc: Brock Bowles, DRMS (via email)
Darlene Crosby (via email)
Chantell Johnson (via email)

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

A Touchstone Energy* Cooperative

WET TEST REPORT FORM – CHRONIC

Permittee: Elk Ridge Mining and Reclamation

Outfall: 013

Permit No.: CO-0000213

Test Type: Routine ☒ Accelerated ☐

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1215	10-18-2016	1300	10-24-2016

Test Results	Lethality	Reproduction
NOEC	80%	20%
	FAIL	FAIL
IC ₂₅	90.0%	40.4%
	FAIL	FAIL

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	90
% Survival for day 3	100	100	100	100	100	80
% Survival for day 4	100	100	100	100	90	70
% Survival for day 5	100	100	100	100	90	70
% Survival for day 6	100	100	100	100	90	50
Mean 3 Brood Total	25.5	20.6	19.3	11.0	4.8	0.6

Hardness (mg/L) – Receiving Water: N/A Effluent: 2273/2419/2178 Recon Water: 86

Alkalinity (mg/L) – Receiving Water: N/A Effluent: 450/475/467 Recon Water: 63

Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.0 100%: 6.6/7.7

Total Ammonia as NH₃ (mg/L) - Effluent: 3.34/3.58/3.28

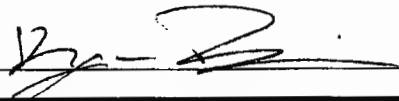
Were all Test Conditions in Conformance with Division Guidelines? YES ☒ NO ☐

If **NO**, list deviations from test specifications:

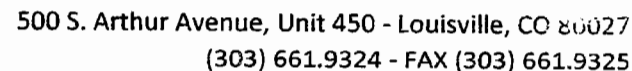
Laboratory: SeaCrest Group

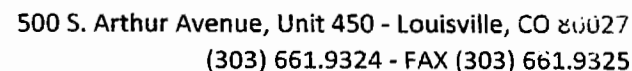
Comments:

Analyst's Name: Emily Hawkins, Madison Reese and Natalie Jones

Signature 

Date 11-02-16







TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

January 10, 2017

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

RE: CDPS Permit #CO-0000213
New Horizon Mine (Outfall 013)
Whole Effluent Toxicity Testing – No Pattern of Toxicity

Dear Mr. Mink:

As noted in earlier correspondence, the Outfall 013 fourth quarter samples analyzed for Whole Effluent Toxicity (WET) at the Elk Ridge Mining and Reclamation, LLC (Elk Ridge) New Horizon Mine (CDPS Permit #CO-0000213) indicated the initial results below the NOEC and the IC₂₅. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent of Elk Ridge. The original notification of WET test results was submitted to the Division on November 4, 2016.

Accelerated testing commenced as required by the facility's permit. The samples were analyzed by The SeaCrest Group, Louisville, Colorado for the most sensitive species *Ceriodaphnia dubia*. No statistically significant toxicity to this species was found in the two consecutive accelerated sampling events for this outfall. Enclosed are the summary CDPS WET Test Report Forms and chains of custody for these tests.

Based on the demonstration of "no pattern of toxicity", the October 2016 WET test results reflect anomalous conditions. As a result, Part I.D.1.c.i. of the permit states that "the toxicity episode is considered to be ended and routine testing is to resume." Therefore, Tri-State will return to routine monitoring for both the fathead minnow and *Ceriodaphnia dubia* species at this outfall for the first quarter of 2017.

We will also be submitting the initial and accelerated WET test summaries and chains of custody with the December 2016 Discharge Monitoring Report (DMR) by January 28, 2017.



Mr. Eric Mink
January 10, 2017
Page 2

If you have any questions on this notification, please contact Chantell Johnson at 303-254-3185 (cjohnson@tristategt.org) or Darlene Crosby at 303.254.3055 (dcrosby@tristategt.org).

Sincerely,

Barbara A. Walz
Senior Vice President
Policy and Compliance
Chief Compliance Officer

BAW:CJ:db

Enclosures

cc: Brock Bowles, DRMS (via email)
Darlene Crosby (via email)
Chantell Johnson (via email)

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

Client: Elk Ridge Mining and Rec.
Site: New Horizon Mine 013

CO-0000213

SCG Project No.: 316840.B

WET TEST REPORT FORM – ACCELERATED CHRONIC #1

Permittee: Elk Ridge Mining and Reclamation

Outfall: 013

Permit No.: CO-0000213

Test Type: Routine ☐ Accelerated ☒

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1500	11-09-2016	1445	11-15-2016

NOEC	100%	100%
	PASS	PASS
IC ₂₅	>100%	>100%
	PASS	PASS

Dilution(s) - % Effluent

% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	100
% Survival for day 3	100	100	100	100	100	100
% Survival for day 4	100	100	100	100	100	100
% Survival for day 5	100	100	100	100	100	100
% Survival for day 6	100	100	100	100	100	100

Hardness (mg/L) – Receiving Water: N/A Effluent: 1900/1989/2270 Recon Water: 96
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 420/453/438 Recon Water: 57
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.2 100%: 6.8/7.8
Total Ammonia as NH₃ (mg/L) – Effluent: 3.42/3.06/3.61

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

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Madison Reece, Kyra Brisson and Natalie Jones

Signature 

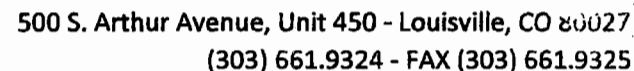
Date 12-22-16



CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

Client/Project Name: <u>ELK Ridge Mtn R</u>					Analysis (Check all applicable)																
P. O./Project Number: <u>NEW HORIZON MINE</u>					WET: Acute (Indicate Below)	WET: Chronic (Indicate Below)	WET: Accelerated (Indicate Below)	WET: PTI/TIE/TRE (Indicate Below)	Metals (List Below)	Solids (TS/TDS/TSS) (Circle)	Anions (List Below)	Chromium III/VI (Circle)	Oil and Grease	Coliform (Total/Fecal/E-Coli) (Circle)	BOD/COD (Circle)	Other Analysis (List Below)				Number of Containers	Total Volume
Contact: <u>Tom Fry</u>																					
Address: <u>27646 W 5TH AVE NUCLA, CO 81424</u>																					
Phone # <u>970 864 1073</u>		E-Mail: <u>TFry@TRISTATEGT.ORG</u>																			
Fax # <u>970 864 2168</u>		Sampler: <u>T. Fry</u>																			
Report By: ☐ Mail ☒ PDF ☐ FAX																					
Sample Location or ID	Date	Time	Grab/Comp	Lab ID (LAB Use Only)																	
NPDES 013	11.08.15	1135	G	316840B#1				✓												1	G
Turnaround Requirements (Analytical Testing Only)					Test Species: ☐ Fathead Minnow ☐ Cerio daphnia ☐ Daphnia magna ☐ Daphnia pulex ☐ Other (List Below)																
Standard (10 days) _____ 6-9 Day _____					Special Instructions/Comments:																
3-5 Day _____ 1-2 Day _____																					
Requested Report Date: _____																					
Relinquished By (1)					Received By (1)					Relinquished By (2)					Received By (2)						
Signature		Date/Time <u>11.08.16</u> <u>1200</u>			Signature		Date/Time <u>11.09.16</u> <u>0940</u>			Signature		Date/Time			Signature		Date/Time				



WET TEST REPORT FORM – ACCELERATED CHRONIC #2

Permittee: Elk Ridge Mining and Reclamation

Outfall: 013

Permit No.: CO-0000213

Test Type: Routine ☐ Accelerated ☒

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1500	11-29-2016	1420	12-05-2016

NOEC	100%	100%
	PASS	PASS
IC ₂₅	>100%	>100%
	PASS	PASS

Dilution(s) - % Effluent

% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	100
% Survival for day 3	100	100	100	100	100	100
% Survival for day 4	100	100	100	100	100	90
% Survival for day 5	100	100	100	100	100	90
% Survival for day 6	100	100	100	100	100	90

Hardness (mg/L) – Receiving Water: N/A Effluent: 2450/2630/2870 Recon Water: 92

Alkalinity (mg/L) – Receiving Water: N/A Effluent: 473/492/510 Recon Water: 59

Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.0 100%: 6.7/8.0

Total Ammonia as NH₃ (mg/L) – Effluent: 3.03/3.09/3.28

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

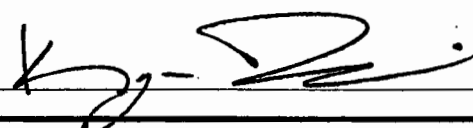
If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

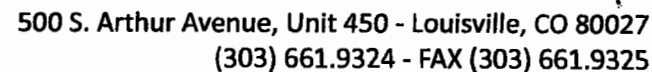
Analyst's Name: Madison Reece and Kyra Brisson

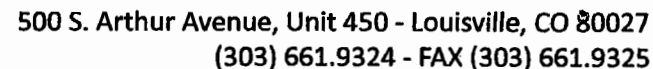
Signature



Date

12-22-16





WET TEST REPORT FORM – ACCELERATED CHRONIC #1

Permittee: Elk Ridge Mining and Reclamation

Outfall: 013

Permit No.: CO-0000213

Test Type: Routine ☐ Accelerated ☒

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1500	11-09-2016	1445	11-15-2016

Test Results	Letality	Reproduction
NOEC	100%	100%
	PASS	PASS
IC ₂₅	>100%	>100%
	PASS	PASS

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	100
% Survival for day 3	100	100	100	100	100	100
% Survival for day 4	100	100	100	100	100	100
% Survival for day 5	100	100	100	100	100	100
% Survival for day 6	100	100	100	100	100	100
Mean ± Breed Total	20.2	20.6	22.1	21.5	20.2	16.0

Hardness (mg/L) – Receiving Water: N/A Effluent: 1900/1989/2270 Recon Water: 96

Alkalinity (mg/L) – Receiving Water: N/A Effluent: 420/453/438 Recon Water: 57

Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.2 100%: 6.8/7.8

Total Ammonia as NH₃ (mg/L) – Effluent: 3.42/3.06/3.61

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

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Madison Reece, Kyra Brisson and Natalie Jones

Signature

Date 12-22-16

CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]

CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]



500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]

WET TEST REPORT FORM – ACCELERATED CHRONIC #2

Permittee: Elk Ridge Mining and Reclamation **Outfall:** 013

Permit No.: CO-0000213

Test Type: Routine ☐ Accelerated ☒

Test Species: *Ceriodaphnia dubia* **IWC:** 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1500	11-29-2016	1420	12-05-2016

Test Results	Letmality	Reproduction
NOEC	100%	100%
	PASS	PASS
IC ₂₅	>100%	>100%
	PASS	PASS

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	100
% Survival for day 3	100	100	100	100	100	100
% Survival for day 4	100	100	100	100	100	90
% Survival for day 5	100	100	100	100	100	90
% Survival for day 6	100	100	100	100	100	90
LC50 (96 hr)	25%	25%				

Hardness (mg/L) – Receiving Water: N/A Effluent: 2450/2630/2870 Recon Water: 92
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 473/492/510 Recon Water: 59
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.0 100%: 6.7/8.0
Total Ammonia as NH₃ (mg/L) – Effluent: 3.03/3.09/3.28

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

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Madison Reece and Kyra Brisson

Signature



Date

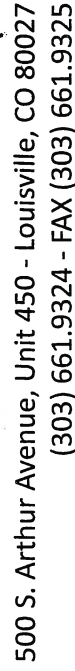
12-22-16



CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

Client/Project Name: <u>FELK RIDGE MINE & REE</u>			
P. O./Project Number: <u>NEW HORIZON MINE</u>			
Contact: <u>TOM FRY</u>			
Address: <u>22646 W 5th AVE NORTON CO 81424</u>			
Phone # <u>970864 1073</u>		E-Mail: <u>TFRY@TRIESTEELCORP</u>	
Fax # <u>970864 2168</u>		Sampler: <u>TOM FRY</u>	
Report By: ☐ Mail ☒ PDF ☐ FAX			
Sample Location or ID	Date	Time	Grab/Comp
<u>NORTON 013</u>	<u>11.28.14</u>	<u>0900</u>	<u>6</u>
Lab ID (LAB Use Only)		<u>316917.B1</u>	
WET: Acute (Indicate Below)			
WET: Chronic (Indicate Below)			
WET: Accelerated (Indicate Below)			
WET: PTI/TIE/TRE (Indicate Below)			
Metals (List Below)			
Solids (TS/TDS/TSS) (Circle)			
Anions (List Below)			
Chromium III/VI (Circle)			
Oil and Grease			
Coliform (Total/Fecal/E-Coli) (Circle)			
BOD/COD (Circle)			
Other Analysis (List Below)			
Number of Containers		Total Volume	
<u>1</u>		<u>6</u>	
Test Species: ☐ Fathead Minnow ☒ Cerio daphnia ☐ Daphnia magna ☐ Daphnia pulex ☐ Other (List Below)			
Turnaround Requirements (Analytical Testing Only)			
Standard (10 days) <u>6-9 Day</u>			
3-5 Day <u>1-2 Day</u>			
Special Instructions/Comments:			
Requested Report Date:			
Relinquished By (1)		Received By (1)	
Signature <u>[Signature]</u>		Signature <u>[Signature]</u>	
Date/Time <u>11.28.14</u>		Date/Time <u>11.28.14</u>	
<u>1200</u>		<u>1051</u>	



Analysis (Check all applicable)

Special Instructions/Comments:

Received By (2)

Date/Time

CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

Client/Project Name: ELK RIDGE Mall		P. O./Project Number: New Horizon MIDDLE		Contact: Tom FRY		Address: 27646 W 5th Ave NUCALA CO 81424		Phone # 970 864 1073		E-Mail: TFRY@TRISTATEGO.ORG		Fax # 970 864 2168		Sampler: T. Fry		Report By: ☐ Mail ☒ PDF ☐ FAX		Sample Location or ID		Date		Time		Grab/Comp		Lab ID (Lab Use Only)	
NPOES 013		12.02.16		12.15.		G		909783																			

WET TEST REPORT FORM – CHRONIC

Permittee: Elk Ridge Mining and Reclamation **Outfall:** 013

Permit No.: CO-0000213

Test Type: Routine ☒ Accelerated ☐

Test Species: *Ceriodaphnia dubia* **IWC:** 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1215	10-18-2016	1300	10-24-2016

Test Results	Letalality	Reproduction
NOEC	80%	20%
	FAIL	FAIL
IC ₂₅	90.0%	40.4%
	FAIL	FAIL

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	90
% Survival for day 3	100	100	100	100	100	80
% Survival for day 4	100	100	100	100	90	70
% Survival for day 5	100	100	100	100	90	70
% Survival for day 6	100	100	100	100	90	50
Mean Blood Count	25.5	20.6	19.3	18.0	18	15.6

Hardness (mg/L) – Receiving Water: N/A Effluent: 2273/2419/2178 Recon Water: 86
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 450/475/467 Recon Water: 63
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/8.0 100%: 6.6/7.7
Total Ammonia as NH₃ (mg/L) - Effluent: 3.34/3.58/3.28

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

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Emily Hawkins, Madison Reese and Natalie Jones

Signature



Date 12-22-16

WET TEST REPORT FORM – CHRONIC

Permittee: Elk Ridge Mining and Reclamation

Outfall: 013

Permit No.: CO-0000213

Test Type: Routine ☒ Accelerated ☐

Test Species: Fathead minnow

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1310	10-18-2016	1330	10-25-2016

Test Results	Leakability	Growth
NOEC	100%	100%
	PASS	PASS
IC ₂₅	>100%	>100%
	PASS	PASS

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	100
% Survival for day 2	100	100	100	100	100	98
% Survival for day 3	100	100	100	100	100	98
% Survival for day 4	90	93	100	100	93	95
% Survival for day 5	88	93	100	100	90	90
% Survival for day 6	88	93	93	100	90	88
% Survival for day 7	88	90	93	100	90	88
Mean Dry Wt (mg)	0.84	0.595	0.637	0.62	0.466	0.44

Hardness (mg/L) – Receiving Water: N/A Effluent: 2273/2419/2178 Recon Water: 100
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 450/475/467 Recon Water: 64
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.2/7.7 100%: 6.9/8.0
Total Ammonia as NH₃ (mg/L) – Effluent: 3.34/3.58/3.28

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

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

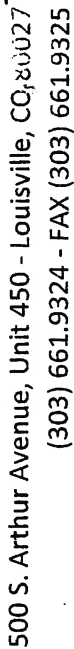
Comments:

Analyst's Name: Natalie Jones, Ashley Bruhnand Samuel Boisseau

Signature

Date

12-22-16

Analysis (Check all applicable)



500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]



Analysis (Check all applicable)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

016
External Outfall

Discharge:

016-A
SR & Mine Drainage Tributary to Tuttle Draw

Report Dates & Status

Monitoring Period:

From 12/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

TSS & Fe limits will be waived & settleable solids limits applied for 10YR/24HR precip event - see pp 8-9 for requirements.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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			
00400	pH	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9 MAXIMUM	12 - SU			
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35 5 DA AVG	<=	70 MX 7D AV	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	3000 30DA AVG	<=	6000 DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	IN - INSTAN
					Permit Req.	<=	3.123 30DA AVG		Req Mon DAILY MX 03 - MGD											
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

016
External Outfall

Discharge:

016-Q
Quarterly Monitoring for 016A

Report Dates & Status

Monitoring Period:

From 10/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see Appendix B, #29, pg 43.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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		
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					Value NODI									C - No Discharge					
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE
NUCLA, CO 81424

Permitted Feature:

016
External Outfall

Discharge:

016-S
Semi-Annual Monitoring for 016A

Report Dates & Status

Monitoring Period:

From 07/01/16 to 12/31/16

DMR Due Date:

01/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

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		
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L		
					Value NODI											C - No Discharge			
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L		
					Value NODI											C - No Discharge			
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample													02/YR - Twice Per Year	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					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

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-01-26 10:17 (Time Zone: -07:00)