

DMR Copy of Record

Permit

Permit #:

CO0032751

Major:

No

Permittee:

Grand Island Resources LLC

Permittee Address:

12567 W Cedar Dr
Lakewood, CO 80228

Facility:

CROSS AND CARIBOU MINES

Facility Location:

CROSS AND CARIBOU MINES
BOULDER COUNTY, CO 80466

Permitted Feature:

001
External Outfall

Discharge:

001-A
Treated Mine Water to Coon Track Creek

Report Dates & Status

Monitoring Period:

From 04/01/22 to 04/30/22

DMR Due Date:

05/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Oil and grease - see I.A.2, pg 3. 30 day average is the highest monthly average during period reported.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample								=	5.3	=	17.1	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.72			=	8.6	12 - SU	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<	4.0	<	4.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	5.0			28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								<	100.0			28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample								=	3.5	=	3.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								=	1.4	=	2.8	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01220	Chromium, hexavalent dissolved [as	1 - Effluent	0	--	Sample								<	20.0	=	20.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB

	Cr]	Gross			Value NODI														
01303	Zinc, potentially dissolved	1 - Effluent Gross	4	--	Sample								=	6.0	=	12.0	28 - ug/L	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	176.0 30DA AVG	<=	202.0 DAILY MX	28 - ug/L			
					Value NODI														
01304	Silver, potentially dissolved	1 - Effluent Gross	4	--	Sample								=	0.0	<	0.5	28 - ug/L	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.11 30DA AVG	<=	3.1 DAILY MX	28 - ug/L			
					Value NODI														
01306	Copper, potentially dissolved	1 - Effluent Gross	4	--	Sample								<	2.0	<	2.0	28 - ug/L	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	13.0 30DA AVG	<=	20.0 DAILY MX	28 - ug/L			
					Value NODI														
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample										<	5.0	28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon DAILY MX	28 - ug/L			
					Value NODI														
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	4	--	Sample								=	0.0	<	1.0	28 - ug/L	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.6 30DA AVG	<=	2.5 DAILY MX	28 - ug/L			
					Value NODI														
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	20.0		28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB	
					Permit Req.								Req Mon 30DA AVG		28 - ug/L				
					Value NODI														
01318	Lead, potentially dissolvd	1 - Effluent Gross	4	--	Sample								=	3.2	=	6.4	28 - ug/L	02/30 - Twice Per Month 02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	3.6 30DA AVG	<=	94.0 DAILY MX	28 - ug/L			
					Value NODI														
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	2.0	<	2.0	28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI														
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	2.0	<	2.0	28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI														
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	5.0	=	5.0	28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI														
03582	Oil and grease	1 - Effluent Gross	0	--	Sample													77/77 - Contingent	GR - GRAB
					Permit Req.									<=	10.0 INST MAX	19 - mg/L			
					Value NODI										9 - Conditional Monitoring - Not Required This Period				
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample										<	20.0	28 - ug/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon DAILY MX	28 - ug/L			
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	4	--	Sample								=	0.060987	=	0.199296	03 - MGD	99/99 - Continuous 99/99 - Continuous	RC - Recorder (auto) RC - Recorder (auto)
					Permit Req.							<=	0.148 30DA AVG		Req Mon DAILY MX	03 - MGD			
					Value NODI														
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample								<	1.0		19 - mg/L	01/30 - Monthly 01/30 - Monthly	GR - GRAB	
					Permit Req.								Req Mon 30DA AVG		19 - mg/L				
					Value NODI														
					Sample								<	0.2	<	0.2	28 - ug/L	01/30 - Monthly	GR - GRAB
					Permit														

71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Req. Value NODI											<=	1.0 30DA AVG	<=	2.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Sample			=	0.0	AB - abst=0;prst=1													
84066	Oil and grease visual	1 - Effluent Gross	0	--	Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1											0	02/30 - Twice Per Month	VI - VISUAL
					Value NODI																	02/30 - Twice Per Month	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

Name	Type	Size
2022_04_CrossCaribouMine_Results_1.pdf	pdf	1024705.0
2022_04_CrossCaribouMine_Results_2.pdf	pdf	815503.0
2022_04_CrossCaribouMine_CoverLetter.pdf	pdf	189204.0

Report Last Saved By

Grand Island Resources LLC

User:

Name:

E-Mail:

Date/Time:

pdelaney@alexcoresource.com

Patrick Delaney

pdelaney@blackfoxmining.com

2022-05-28 15:29 (Time Zone: -06:00)

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

pdelaney@alexcoresource.com

Patrick Delaney

pdelaney@blackfoxmining.com

2022-05-28 15:29 (Time Zone: -06:00)

STATE OF
COLORADO

Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>

Cross Gold Mine, M1977-410

Jacob Dyste - CDPHE <jacob.dyste@state.co.us>
To: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Tue, May 31, 2022 at 8:37 AM

Hi Patrick,

Attached is the DMR for April. They did not have any violations.

I will see you at the meeting soon.

Jacob

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IMPORTANT COVID-19 INFORMATION:

- COVID-19 Frequently Asked Questions (including instructions for necessary changes to DMR reporting) can be found [HERE](#).
- The Enforcement Unit is operating remotely. During regular business hours, please contact me by email. Voicemails will be returned within one business day.

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Jacob Dyste
Enforcement Specialist



COLORADO
Water Quality Control Division
Department of Public Health & Environment

Remote: 720.583.4562 (*Preferred*)
Office: 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](tel:18775185608)

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Cross and Caribou April 2022 DMR.pdf
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