

STATE OF
COLORADO

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

CO0032751 2022 DMR Data

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

Tue, May 31, 2022 at 10:38 AM

To: Erin Dodge <edodge@bouldercounty.org>, "Dunlap, Kate" <DunlapK@bouldercolorado.gov>, "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Hi all,

Attached is all of the Discharge Monitoring Reports submitted for Grand Island Resources' discharge permit in 2022. This data is only from Outfall 001, which is their specified permit compliance point in CO0032751. These DMRs come from EPA's NetDMR portal, which is where all permittees are required to submit their permit effluent results. The violation we discussed is in March 2022.

As we discussed there is unfortunately no public access to this data even though the data is public information. I will mention this issue to Division management, but I am not sure how likely it is to change considering the EPA's oversight of this reporting database.

Please feel free to share this with anyone else who would like to review.

Jacob

--

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.

--

Jacob Dyste
Enforcement Specialist**COLORADO**
Water Quality Control Division
Department of Public Health & EnvironmentRemote: 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/wqcd24-hr Environmental Release/Incident Report Line: [1.877.518.5608](tel:18775185608)

6 attachments



Cross and Caribou April 2022 DMR.pdf
84K



Cross and Caribou February 2022 DMR.pdf
89K



Cross and Caribou Q1 Parameter 2022 DMR.pdf
14K



Cross and Caribou March 2022 DMR.pdf
86K



Cross and Caribou Q1 WET 2022 DMR.pdf
29K



Cross and Caribou January 2022 DMR.pdf
89K

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 01/01/22 to 01/31/22

DMR Due Date:

02/28/22

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: --

	Cr]	Gross			Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	1	--	Sample								<	10.0	<	10.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	186.0 30DA AVG	<=	184.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Value NODI															
01304	Silver, potentially dissolved	1 - Effluent Gross	1	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.12 30DA AVG	<=	2.9 DAILY MX	28 - ug/L				
					Value NODI								B - Below Detection Limit/No Detection		B - Below Detection Limit/No Detection					
01306	Copper, potentially dissolved	1 - Effluent Gross	1	--	Sample								<	5.0	<	5.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	13.0 30DA AVG	<=	18.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Value NODI															
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample										<	1.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Value NODI															
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	1	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.63 30DA AVG	<=	2.3 DAILY MX	28 - ug/L				
					Value NODI								B - Below Detection Limit/No Detection		B - Below Detection Limit/No Detection					
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	10.0			28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
01318	Lead, potentially dissolvd	1 - Effluent Gross	1	--	Sample								<	1.0	<	1.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	3.8 30DA AVG	<=	85.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Value NODI															
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	5.0	<	5.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
03582	Oil and grease	1 - Effluent Gross	0	--	Sample															
					Permit Req.										<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample										<	10.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	1	--	Sample								=	0.0789	=	0.1215	03 - MGD		99/99 - Continuous	RC - Recorder (auto)
					Permit Req.							<=	0.103 30DA AVG		Req Mon DAILY MX	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)	
					Value NODI															
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample								<	0.04			19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								<	0.1	<	0.1	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_01_CrossCaribouMine_Results_1.pdf	pdf	556882.0
2022_01_CrossCaribouMine_Results_2.pdf	pdf	530182.0
2022_01_CrossCaribouMine_CoverLetter.pdf	pdf	189105.0

Report Last Saved By

Grand Island Resources LLC

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2022-03-01 00:00 (Time Zone: -07:00)

Report Last Signed By

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2022-03-01 00:00 (Time Zone: -07:00)

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 02/01/22 to 02/28/22

DMR Due Date:

03/28/22

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								=	3.64	=	5.4	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						=	7.6			=	8.4	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								<	1.0	<	1.0	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								<	2.0	<	2.0	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	2	--	Sample							=	14.0	=	16.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	186.0 30DA AVG	<=	203.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI														
01304	Silver, potentially dissolved	1 - Effluent Gross	2	--	Sample							=	0.028	=	0.056	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.12 30DA AVG	<=	3.2 DAILY MX	28 - ug/L			
					Value NODI														
01306	Copper, potentially dissolved	1 - Effluent Gross	2	--	Sample							<	2.0	<	2.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	13.0 30DA AVG	<=	20.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI														
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample									<	5.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI														
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	2	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.63 30DA AVG	<=	2.5 DAILY MX	28 - ug/L			
					Value NODI								B - Below Detection Limit/No Detection		B - Below Detection Limit/No Detection				
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample							<	20.0			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														
01318	Lead, potentially dissolvd	1 - Effluent Gross	2	--	Sample							=	2.08	=	3.3	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	3.8 30DA AVG	<=	94.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI														
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample							=	4.7	=	4.7	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
					Value NODI														
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample							<	2.0	<	2.0	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
					Value NODI														
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample							<	5.0	<	5.0	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
					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	0	01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	2	--	Sample							=	0.071928	=	0.23184	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.							<=	0.103 30DA AVG		Req Mon DAILY MX	03 - MGD		99/99 - Continuous	RC - Recorder (auto)
					Value NODI														
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample							<	1.0			19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG			19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI														
71900	Mercury, total [as Hg]	1 - Effluent	0	--	Sample							<	0.2	<	0.2	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.							<=	1.0 30DA AVG	<=	2.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB

		Gross			Value NODI															
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample		=	0.0	AB - abst=0;prst=1									02/30 - Twice 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

Name	Type	Size
2022_02_CrossCaribouMine_Results_1.pdf	pdf	1029881.0
2022_02_CrossCaribouMine_Results_2.pdf	pdf	1094130.0
2022_02_CrossCaribouMine_CoverLetter.pdf	pdf	189376.0

Report Last Saved By

Grand Island Resources LLC

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2022-03-28 14:04 (Time Zone: -06:00)

Report Last Signed By

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2022-03-28 14:04 (Time Zone: -06:00)

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 03/01/22 to 03/31/22

DMR Due Date:

04/28/22

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	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
	Name					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								=	4.8	=	15.1	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						=	7.2			=	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								=	22.0	=	22.0	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								=	9.0	=	18.0	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								=	1.95	=	3.9	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															
	Chromium, hexavalent dissolved [as				Sample Permit								<	20.0	<	20.0	28 - ug/L		01/30 - Monthly	GR - GRAB

01220	Cr]	1 - Effluent Gross	0	--	Req. Value NODI										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
01303	Zinc, potentially dissolved	1 - Effluent Gross	3	--	Sample									=	34.5	=	38.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Permit Req. Value NODI								<=	176.0 30DA AVG	<=	194.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB		
01304	Silver, potentially dissolved	1 - Effluent Gross	3	--	Sample													28 - ug/L		02/30 - Twice Per Month	GR - GRAB	
					Permit Req. Value NODI								<=	0.11 30DA AVG	<=	3.0 DAILY MX	02/30 - Twice Per Month			GR - GRAB		
														B - Below Detection Limit/No Detection		B - Below Detection Limit/No Detection						
01306	Copper, potentially dissolved	1 - Effluent Gross	3	--	Sample									=	1.55	=	3.1	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Permit Req. Value NODI								<=	13.0 30DA AVG	<=	19.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB		
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample											<	5.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI												Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	3	--	Sample									=	0.0	<	1.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB	
					Permit Req. Value NODI								<=	0.6 30DA AVG	<=	2.4 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB		
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample									<	20.0			28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI										Req Mon 30DA AVG			28 - ug/L		01/30 - Monthly	GR - GRAB	
X 01318	Lead, potentially dissolvd	1 - Effluent Gross	3	--	Sample									=	7.5	=	15.0	28 - ug/L	1	02/30 - Twice Per Month	GR - GRAB	
					Permit Req. Value NODI								<=	3.6 30DA AVG	<=	90.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB		
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample									=	12.0	=	12.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample									<	2.0	<	2.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample									<	5.0	<	5.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
03582	Oil and grease	1 - Effluent Gross	0	--	Sample													19 - mg/L		77/77 - Contingent	GR - GRAB	
					Permit Req. Value NODI											<=	10.0 INST MAX			9 - Conditional Monitoring - Not Required This Period		
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample											<	20.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI												Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	3	--	Sample									=	0.05795	=	0.13363	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)	
					Permit Req. Value NODI								<=	0.129 30DA AVG		Req Mon DAILY MX	03 - MGD	99/99 - Continuous		RC - Recorder (auto)		
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample									<	1.0			19 - mg/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req. Value NODI										Req Mon 30DA AVG			19 - mg/L		01/30 - Monthly	GR - GRAB	

71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample									<	0.2		<	0.2	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									<=	1.0 30DA AVG		<=	2.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI																	
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	0.0	AB - abst=0;prst=1											02/30 - Twice 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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
01318	Lead, potentially dissolvd	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
2022_04_CrossCaribouMine_1stHalfOfMonthResults.pdf	pdf	1092511.0
2022_03_CrossCaribouMine_1stHalfOfMonthResults.pdf	pdf	1105478.0
2022_03_CrossCaribouMine_2ndHalfOfMonthResults.pdf	pdf	867270.0
2022_03_CrossCaribouMine_SpecialReport.pdf	pdf	630876.0

Report Last Saved By

Grand Island Resources LLC

User:	pdelaney@alexcoresource.com
Name:	Patrick Delaney
E-Mail:	pdelaney@blackfoxmining.com
Date/Time:	2022-05-02 12:00 (Time Zone: -06:00)

Report Last Signed By

User:	pdelaney@alexcoresource.com
Name:	Patrick Delaney
E-Mail:	pdelaney@blackfoxmining.com
Date/Time:	2022-05-02 12:01 (Time Zone: -06:00)

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

[illegible]

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)

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-X
CHRONIC WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 01/01/22 to 03/31/22

DMR Due Date:

04/28/22

Status:

NetDMR Validated

Considerations for Form Completion

See I.B.3 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=73% (1st qtr), 52%(2nd/4th qtr) and 53% (3rd qtr).

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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

Name	Type	Size
2022_1stQuarter_WET_Test_GIR.pdf	pdf	8271070.0

Report Last Saved By

Grand Island Resources LLC

User:

pdelaney@alexcoresource.com

Name:

Patrick Delaney

E-Mail:

pdelaney@blackfoxmining.com

Date/Time:

2022-04-27 20:20 (Time Zone: -06:00)

Report Last Signed By

User:

pdelaney@alexcoresource.com

Name:

Patrick Delaney



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-Q
Quarterly Monitoring for 001A

Report Dates & Status

Monitoring Period:

From 01/01/22 to 03/31/22

DMR Due Date:

04/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see I.C.18, pg 3.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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

Name	Type	Size
2022_1stQuarter_LowLevelMercury_GIR.pdf	pdf	1098817.0

Report Last Saved By

Grand Island Resources LLC

User:

pdelaney@alexcoresource.com

Name:

Patrick Delaney

E-Mail:

pdelaney@blackfoxmining.com

Date/Time:

2022-04-27 20:25 (Time Zone: -06:00)

Report Last Signed By

User:

pdelaney@alexcoresource.com

Name:

Patrick Delaney

E-Mail:

pdelaney@blackfoxmining.com

Date/Time:

2022-04-28 23:25 (Time Zone: -06:00)