



July 2022 DMR Cross Gold Mine

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

Mon, Sep 12, 2022 at 9:13 AM

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

It's attached. There were no violations.

Jacob

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Jacob Dyste
Enforcement Specialist



COLORADO
Water Quality Control Division
Department of Public Health & Environment

Phone: 720.583.4562

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 July 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 07/01/22 to 07/31/22

DMR Due Date:

08/28/22

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								=	9.3	=	9.6	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						=	7.1			=	8.1	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	=	2.0	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	7	--	Sample								<	10.0	<	10.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	221.0 30DA AVG	<=	253.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB	
					Value NODI															
01304	Silver, potentially dissolved	1 - Effluent Gross	7	--	Sample								<	0.045	<	0.045	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.14 30DA AVG	<=	3.9 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB	
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	7	--	Sample								<	2.0	<	2.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	16.0 30DA AVG	<=	25.0 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	7	--	Sample								<	0.5	<	0.5	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	0.75 30DA AVG	<=	3.1 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB	
					Value NODI															
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	7	--	Sample								=	1.05	=	2.1	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	4.6 30DA AVG	<=	118.0 DAILY MX	28 - ug/L	02/30 - Twice Per Month		GR - GRAB	
					Value NODI															
01319	Manganese, 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															
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												19 - mg/L	77/77 - Contingent	GR - GRAB	
					Permit Req.									<=	10.0 INST MAX					
					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	7	--	Sample								=	0.24474	=	0.39326	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.							<=	0.265 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															
					Sample								<	0.2	<	0.2	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit															

