





J. E. STOVER & ASSOCIATES, INC.

2352 NORTH 7TH STREET, UNIT B
GRAND JUNCTION, COLORADO 81501
PHONE: (970) 245-4101, FAX: (970) 242-7908

MINE ENGINEERING
MINE RECLAMATION

CIVIL ENGINEERING
CONST. MANAGEMENT

April 7, 2017

Janet Binns
Division of Reclamation, Mining & Safety
1313 Sherman Street, Room 215
Denver, CO 80203

Re: McClane Canyon Mining LLC
McClane Canyon Mine
CDPS Permit DMRs & Pond Inspections
Permit C-1980-004

Dear Ms. Bins:

Enclosed please find discharge monitoring reports for CDPS Permit No. CO 0038342, outfalls 001, 002 and 004. The reports are for March and the first quarter of 2017. First quarter pond inspection reports are also enclosed.

Sincerely,

J. E. Stover

J. E. Stover, P.E.
Consulting Engineer

Enclosures

cc: Mine Records

DMRDMG

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

001
External Outfall

Discharge:

001-A
Sedi Pond Discharge to East Salt Creek

Report Dates & Status

Monitoring Period:

From 03/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Total iron limits will be waived and settleable solids limits applied for <=10YR, 24HR precip event; total iron limits will be waived for >10YR, 24HR precip event - attach documentation.

Principal Executive Officer

First Name:

Chad

Last Name:

Hunt

Title:

Vice President

Telephone:

970-245-4101

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.								<=	30 30DA AVG	<=	70 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	25 - mL/L			
					Value NODI											C - No Discharge				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	3500 30DA AVG	<=	7000 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														02/30 - Twice Per Month	IN - INSTAN
					Permit Req.	<=	0.216 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

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:33 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

001
External Outfall

Discharge:

001-Q
Quarterly Monitoring for 001A

Report Dates & Status

Monitoring Period:

From 01/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see I.C.29, pg 45.

Principal Executive Officer

First Name:

Chad

Last Name:

Hunt

Title:

Vice President

Telephone:

970-245-4101

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

McClane Canyon Mining, LLC

User:

jimstover

Date/Time:

2017-04-06 10:34 (Time Zone: -06:00)

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

001
External Outfall

Discharge:

001-W
Acute WET Testing for 001A

Report Dates & Status

Monitoring Period:

From 01/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:

Chad

Last Name:

Hunt

Title:

Vice President

Telephone:

970-245-4101

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

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:34 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

002
External Outfall

Discharge:

002-A
Undergournd Mine to East Salt Creek

Report Dates & Status

Monitoring Period:

From 03/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

30 day average is highest monthly average reported during period reported. Oil and grease - see I.C.1.a. SAR - report adjusted @ MLOC=P.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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			
00094	Conductivity	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG			7B - dS/m			
					Value NODI								C - No Discharge						
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				
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					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.							<=	30 30DA AVG	<=	70 DAILY MX	19 - mg/L			
					Value NODI								C - No Discharge		C - No Discharge				
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI								C - No Discharge		C - No Discharge				
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI								C - No Discharge		C - No Discharge				
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI								C - No Discharge		C - No Discharge				
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio			
					Value NODI								C - No Discharge		C - No Discharge				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	100 30DA AVG			28 - ug/L			
					Value NODI								C - No Discharge						
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	3500 30DA AVG	<=	7000 DAILY MX	28 - ug/L			
					Value NODI								C - No Discharge		C - No Discharge				
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	428 30DA AVG	<=	564 DAILY MX	28 - ug/L			
					Value NODI								C - No Discharge		C - No Discharge				
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	29 30DA AVG	<=	50 DAILY MX	28 - ug/L			
					Value NODI								C - No Discharge		C - No Discharge				
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	31 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI								C - No Discharge		C - No Discharge				
01318	Lead, potentially dissolvd	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	40 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													02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	254 30DA AVG		Req Mon 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				
					Sample															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.	<=	0.216 30DA AVG		Req Mon DAILY MX	03 - MGD									02/30 - Twice Per Month	IN - INSTAN
					Value NODI		C - No Discharge		C - No Discharge											
					Sample															
84066	Oil and grease visual	1 - Effluent Gross	0	--	Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1									01/07 - Weekly	VI - VISUAL
					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																				
McClane Canyon Mining, LLC																				
User:	jimstover						Date/Time:		2017-04-06 10:20 (Time Zone: -06:00)											
Name:	Jim Stover																			
E-Mail:	jestover@bresnan.net																			

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

002
External Outfall

Discharge:

002-Q
Quarterly Monitoring for 002A

Report Dates & Status

Monitoring Period:

From 01/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see I.C.29, pg 45.

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

No attachments.

Report Last Saved By

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:20 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

002
External Outfall

Discharge:

002-X
Chroinic WET Testing for 002A

Report Dates & Status

Monitoring Period:

From 01/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

See I.D.2 for details of test procedure. Report NOEC using test code "S". Report IC25 using test code "P". Starting 1-1-18, report highest number between "P" and "S" at "T" for each parameter. IWC=100%.

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

No attachments.

Report Last Saved By

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:20 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

004
External Outfall

Discharge:

004-A
Surface Runoff from Haul Road

Report Dates & Status

Monitoring Period:

From 03/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Total iron limits will be waived and settleable solids limits applied for <=10YR, 24HR precip event; total iron limits will be waived for >10YR, 24HR precip event - attach documentation.

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

No attachments.

Report Last Saved By

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:20 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0038342

Major:

No

Permittee:

McClane Canyon Mining, LLC

Permittee Address:

P.O. Box 98
Loma, CO 81524

Facility:

MCCLANE CANYON MINE

Facility Location:

3148 HIGHWAY 139
APPX 20MI N OF TOWN
GARFIELD COUNTY, CO 81524

Permitted Feature:

004
External Outfall

Discharge:

004-Q
Quarterly Monitoring for 004A

Report Dates & Status

Monitoring Period:

From 01/01/17 to 03/31/17

DMR Due Date:

04/28/17

Status:

NetDMR Validated

Considerations for Form Completion

Quarterly monitoring - see I.C.29, pg 45.

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

No attachments.

Report Last Saved By

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2017-04-06 10:20 (Time Zone: -06:00)

McClane Canyon Mining, LLC
McCLANE CANYON MINE

2017 IMPOUNDMENT YEARLY INSPECTION

In accordance with Rule 4.05.9(14), all impoundments shall be inspected at least yearly to determine if the impoundment has been maintained as designed, and in accordance with the approved plan and the applicable regulations. This yearly inspection is for the impoundment located at the McClane Canyon Mine.

On March 21, 2017, I performed the required yearly inspection. I, J. E. Stover, have a wide variety of experience in the design and construction of earth fill embankments. Nothing was observed during the inspection that would indicate the pond has a potential for failure. There was no appearance of erosion, instability, structural weakness or other hazardous conditions. There are no required monitoring procedures or instrumentation other than quarterly and yearly inspections. There are no aspects which might affect stability and there is no required maintenance. The sediment pond had a pool of standing water about four feet below the level of the primary spillway at approximate elevation of 5453. The pond/impoundment was not discharging during the inspection.

There are two animal burrows on the face of the pond embankment. They are shallow burrows so they do not jeopardize the integrity of the embankment. The Operator filled the burrows with rock and covered with them dirt. So far the animals have not made additional burrows.

The required capacity of the sediment pond is 0.55 A-F. The required water capacity of the sediment pond is 0.36 A-F and the required sediment capacity is 0.19 A-F (ref. PAP Section 2.4.1 and Table 4.2-12). The actual size of the pond exceeds the required capacities listed in the permit.

The sediment pond has the following estimated capacity based on the existing water level in the pond:

POND CAPACITY - ACRE FEET		
Water	Sediment	Total
0.67	0.28	0.95

To the best of my knowledge and belief, the impoundment/sediment pond at the McClane Canyon Mine has been maintained as designed and in accordance with the approved plan and applicable regulations.

James E. Stover
Colorado Professional Engineer
Registration No. 19230

4-7-17 Date

QUARTERLY POND INSPECTION REPORT

Operator:	McClane Canyon Mining LLC	Quarter:	First 2017
Mine:	McClane Canyon Mine C-1980-004	Inspection Date:	21-Mar-17

Pond Identification

Location

Sediment				
Pond				

Status During Inspection:

Approximate Water Level

Sediment (% total storage)

Outflow (cfs)

5,453.0				
100%				
0				

Features

Problem

Yes/No

--	--	--	--	--

Erosional

Rills & Gulleys

Inadequate Vegetation

Outlet Channel Erosion

Burrows

Other

No

No

No

No

No

Structural

Differential Settling

Cracks or Slides

Seepage

Other

No

No

No

No

Appurtenant Structures

Defective Spillways

Dewatering Devices Clogged

Faulty Gates, Etc.

Other

No

No

No

No

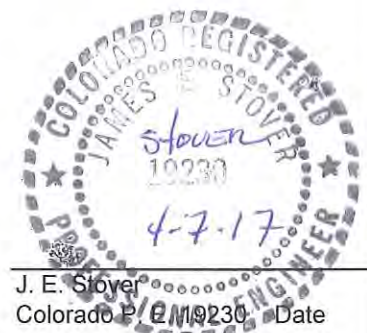
Additional Comments

Invert of primary spillway is at elevation 5457.00.
Invert of emergency spillway is at elevation 5462.00.

Maintenance Required:

Watch animal burrows.

Name of Inspector: Jim Stover



J. E. Stover
Colorado P.E. #19230 Date