

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

January 2, 2018

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 & Quarterly Reports
Permit C-1980-004

Dear Ms. Binns:

Enclosed please find discharge monitoring reports for CDPS Permit No. CO 0038342, outfalls 001, 002 and 004. The reports are for December of 2017 and the fourth quarter. Fourth quarter 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 12/01/17 to 12/31/17

DMR Due Date:

01/28/18

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:

--

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:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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 10/01/17 to 12/31/17

DMR Due Date:

01/28/18

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

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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-S
Semi-Annual Monitoring for 001A

Report Dates & Status

Monitoring Period:

From 07/01/17 to 12/31/17

DMR Due Date:

01/28/18

Status:

NetDMR Validated

Considerations for Form Completion

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			
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample														
					Permit Req.								Req Mon 30DA AVG			28 - ug/L		02/YR - Twice Per Year	GR - GRAB
					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

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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-W
Acute WET Testing for 001A

Report Dates & Status

Monitoring Period:

From 10/01/17 to 12/31/17

DMR Due Date:

01/28/18

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:

--

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		
TAM3B	LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.					>=	100 MN VALUE					23 - %			
					Value NODI						C - No Discharge								
TAN6C	LC50 Statre 96Hr Acute Pimephales	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.					>=	100 MN VALUE					23 - %			
					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

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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 12/01/17 to 12/31/17

DMR Due Date:

01/28/18

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:

Chad

Last Name:

Hunt

Title:

Vice President

Telephone:

970-245-4101

No Data Indicator (NODI)

Form NODI: --

					Value NODI										C - No Discharge				
					Sample														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.	<=	.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															
Name:				Jim Stover															
E-Mail:				jestover@bresnan.net															
Date/Time:				2018-01-02 07:45 (Time Zone: -07:00)															
Report Last Signed By																			
User:				jimstover															
Name:				Jim Stover															
E-Mail:				jestover@bresnan.net															
Date/Time:				2018-01-02 07:45 (Time Zone: -07:00)															

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-Q
Quarterly Monitoring for 002A

Report Dates & Status

Monitoring Period:

From 10/01/17 to 12/31/17

DMR Due Date:

01/28/18

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: --

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		
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.								<=	.38 30DA GEO			28 - ug/L		
					Value NODI									C - No Discharge					
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/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

McClane Canyon Mining, LLC

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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 10/01/17 to 12/31/17

DMR Due Date:

01/28/18

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:

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:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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 12/01/17 to 12/31/17

DMR Due Date:

01/28/18

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 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.								<=	3500 30DA AVG	<=	7000 MX 7D AV	19 - mg/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.	<=	.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:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

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 10/01/17 to 12/31/17

DMR Due Date:

01/28/18

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

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:

jimstover

Name:

Jim Stover

E-Mail:

jestover@bresnan.net

Date/Time:

2018-01-02 07:45 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:	CO0038342	Permittee:	McClane Canyon Mining, LLC	Facility:	MCCLANE CANYON MINE
Major:	No	Permittee Address:	P.O. Box 98 Loma, CO 81524	Facility Location:	3148 HIGHWAY 139 APPX 20MI N OF TOWN GARFIELD COUNTY, CO 81524
Permitted Feature:	004 External Outfall	Discharge:	004-S Semi-Annual Monitoring for 004A		

Report Dates & Status

Monitoring Period:	From 07/01/17 to 12/31/17	DMR Due Date:	01/28/18	Status:	NetDMR Validated
--------------------	---------------------------	---------------	----------	---------	------------------

Considerations for Form Completion

Principal Executive Officer

First Name:	Chad	Title:	Vice President	Telephone:	970-245-4101
Last Name:	Hunt				

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			
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample														
					Permit Req.								Req Mon 30DA AVG			28 - ug/L		02/YR - Twice Per Year	GR - GRAB
					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
Name:	Jim Stover
E-Mail:	jestover@bresnan.net
Date/Time:	2018-01-02 07:45 (Time Zone: -07:00)

Report Last Signed By

User:	jimstover
Name:	Jim Stover
E-Mail:	jestover@bresnan.net
Date/Time:	2018-01-02 07:45 (Time Zone: -07:00)