

DMR Copy of Record

Permit

Permit #:

CO0048275

Major:

Yes

Permittee:

Peabody Sage Creek Mining LLC

Permittee Address:

29515 RCR 27
Oak Creek, CO 80467

Facility:

SAGE CREEK MINE COMPLEX

Facility Location:

36600 CR 27
HAYDEN, CO 81639

Permitted Feature:

007
External Outfall

Discharge:

007-A
Stormwater Runoff to Grassy Creek

Report Dates & Status

Monitoring Period:

From 07/01/21 to 07/31/21

DMR Due Date:

08/28/21

Status:

NetDMR Validated

Considerations for Form Completion

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			
00400	pH	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 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.								<=	35.0 30DA AVG	<=	70.0 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.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/PT - Once Per Permit Term	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/PT - Once Per Permit Term	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														01/PT - Once Per Permit Term	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample														01/PT - Once Per Permit Term	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon 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.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI		C - No Discharge		C - No Discharge											
50092	Mercury, total low level	1 - Effluent Gross	0	--	Sample														01/PT - Once Per Permit Term	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	VI - VISUAL
					Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1										
					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

Peabody Sage Creek Mining LLC

User: TNSUMMERS
Name: Troy Summers
E-Mail: tsummers@wwcengineering.com
Date/Time: 2021-08-26 14:42 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2021-08-27 07:36 (Time Zone: -06:00)

DMR Copy of Record

Permit

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CO0048275

Major:

Yes

Permittee:

Peabody Sage Creek Mining LLC

Permittee Address:

29515 RCR 27
Oak Creek, CO 80467

Facility:

SAGE CREEK MINE COMPLEX

Facility Location:

36600 CR 27
HAYDEN, CO 81639

Permitted Feature:

006
External Outfall

Discharge:

006-A
Spoil Spring Discharge to Cow Camp Creek

Report Dates & Status

Monitoring Period:

From 07/01/21 to 07/31/21

DMR Due Date:

08/28/21

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

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Submission Note

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Edit Check Errors

No errors.

Comments

SSSPG1

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC

User:

Name:

E-Mail:

Date/Time:

TNSUMMERS

Troy Summers

tsummers@wwcengineering.com

2021-08-26 14:42 (Time Zone: -06:00)

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

MBLOMQUIST@PEABODYENERGY.COM

Miranda Kawcak

mblomquist@peabodyenergy.com

2021-08-27 07:36 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:CO0048275

Major:Yes

Permittee:Peabody Sage Creek Mining LLC

Permittee Address:29515 RCR 27
Oak Creek, CO 80467

Facility:SAGE CREEK MINE COMPLEX

Facility Location:36600 CR 27
HAYDEN, CO 81639

Permitted Feature:005
External Outfall

Discharge:005-A
Spoil Spring Discharge to Cow Camp Creek

Report Dates & Status

Monitoring Period:From 07/01/21 to 07/31/21

DMR Due Date:08/28/21

Status:NetDMR Validated

Considerations for Form Completion

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.83			=	7.86	12 - SU	0	03/30 - Three Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	391.5			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	7	--	Sample								=	0.42	=	0.54	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG	<=	18.4 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	7	--	Sample	=	0.001	=	0.001	03 - MGD								0	03/30 - Three Per Month	GR - GRAB
					Permit Req.	<=	0.034 30DA AVG		Req Mon DAILY MX	03 - MGD									02/30 - Twice Per Month	GR - GRAB
					Value NODI															
70295	Solids, total dissolved	1 - Effluent Gross	7	--	Sample								=	5596.67			19 - mg/L	0	03/30 - Three Per Month	GR - GRAB
					Permit Req.								<=	9747.0 30DA AVG			19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															

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Edit Check Errors

No errors.

Comments

SSSPG2

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC

User:TNSUMMERS

Name:Troy Summers

E-Mail:tsummers@wwcengineering.com

Date/Time:2021-08-26 14:39 (Time Zone: -06:00)

Report Last Signed By

User:MBLOMQUIST@PEABODYENERGY.COM

Name:Miranda Kawcak

E-Mail:mblomquist@peabodyenergy.com

Date/Time:2021-08-27 07:36 (Time Zone: -06:00)

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Facility:

SAGE CREEK MINE COMPLEX

Facility Location:

36600 CR 27
HAYDEN, CO 81639

Permitted Feature:

003
External Outfall

Discharge:

003-A
Discharge to Grassy Creek

Report Dates & Status

Monitoring Period:

From 07/01/21 to 07/31/21

DMR Due Date:

08/28/21

Status:

NetDMR Validated

Considerations for Form Completion

TR iron limits waived for >10YR,24HR precip event subject to burden of proof in I.C.1. Oil and grease - see C.1.a, pg 5.

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

No discharge at second monthly event.

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC	
User:	TNSUMMERS
Name:	Troy Summers
E-Mail:	tsummers@wwcengineering.com
Date/Time:	2021-08-26 14:37 (Time Zone: -06:00)
Report Last Signed By	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2021-08-27 07:36 (Time Zone: -06:00)

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CO0048275

Major:

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Permittee:

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29515 RCR 27
Oak Creek, CO 80467

Facility:

SAGE CREEK MINE COMPLEX

Facility Location:

36600 CR 27
HAYDEN, CO 81639

Permitted Feature:

002
External Outfall

Discharge:

002-A
Discharge to Little Grassy Creek

Report Dates & Status

Monitoring Period:

From 07/01/21 to 07/31/21

DMR Due Date:

08/28/21

Status:

NetDMR Validated

Considerations for Form Completion

TR iron limits waived for >10YR,24HR precip event subject to burden of proof in I.C.1. Oil and grease - see C.1.a, pg 5.

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.16			=	8.19	12 - SU	0	04/30 - Four Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
X 00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	45.0	=	145.0	19 - mg/L	2	04/30 - Four Per Month	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 MX 7D AV	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	560.0	=	2060.0	28 - ug/L	0	04/30 - Four Per Month	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	7	--	Sample								=	0.75	=	0.9	28 - ug/L	0	03/30 - Three Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG	<=	18.4 DAILY MX	28 - ug/L		02/30 - Twice Per Month	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				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	7	--	Sample	=	0.003	=	0.005	03 - MGD								0	04/30 - Four Per Month	IN - INSTAN
					Permit Req.	<=	1.38 30DA AVG		Req Mon DAILY MX	03 - MGD									02/30 - Twice Per Month	IN - INSTAN
					Value NODI															
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	0.0	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - VISUAL
					Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1									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					
00530	Solids, total suspended	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
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

An exceedance of the daily max and monthly average TSS limit occurred in July. This was the result of the 145 mg/L TSS measured in the sample collected on 7/6/2021. TSS in the three samples collected later in the month ranged from 11-12 mg/L indicating the TSS has returned to compliance levels. There have been no other exceedances of the TSS limits at NPDES2 during the last three years and this appears to be an anomaly.

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC

User:	TNSUMMERS
Name:	Troy Summers
E-Mail:	tsummers@wwcengineering.com
Date/Time:	2021-08-26 14:33 (Time Zone: -06:00)

Report Last Signed By

User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2021-08-27 07:36 (Time Zone: -06:00)