

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 10/01/19 to 10/31/19

DMR Due Date:

11/28/19

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 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 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.								<=	1000 30DA AVG	<=	6000 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

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2019-11-27 09:02 (Time Zone: -07:00)
<i>Report Last Signed By</i>	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2019-11-27 09:05 (Time Zone: -07:00)

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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:

005
External Outfall

Discharge:

005-A
Spoil Spring Discharge to Cow Camp Creek

Report Dates & Status

Monitoring Period:

From 10/01/19 to 10/31/19

DMR Due Date:

11/28/19

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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Comments

SSSPG2

Attachments

No attachments.

Report Last Saved By

Peabody Sage Creek Mining LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-11-27 09:03 (Time Zone: -07:00)

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Facility:

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Facility Location:

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HAYDEN, CO 81639

Permitted Feature:

006
External Outfall

Discharge:

006-A
Spoil Spring Discharge to Cow Camp Creek

Report Dates & Status

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No Data Indicator (NODI)

Form NODI:

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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						=	7.69			=	7.75	12 - SU		02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9 MAXIMUM	12 - SU	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								<	200			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	1000 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	3.45	=	3.6	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG	<=	18.4 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	10	--	Sample	=	0.0528	=	0.0534	03 - MGD									02/30 - Twice Per Month	IN - INSTAN
					Permit Req.	<=	.115 30DA AVG		Req Mon DAILY MX	03 - MGD								0	02/30 - Twice Per Month	IN - INSTAN
					Value NODI															
70295	Solids, total dissolved	1 - Effluent Gross	10	--	Sample								=	3910			19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	5000 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI															

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Comments

SSSPG1

Attachments

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Oak Creek, CO 80467

Facility:

SAGE CREEK MINE COMPLEX

Facility Location:

36600 CR 27
HAYDEN, CO 81639

Permitted Feature:

004
External Outfall

Discharge:

004-A
Pond 4 Discharge to Cow Camp Creek

Report Dates & Status

Monitoring Period:

From 10/01/19 to 10/31/19

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11/28/19

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Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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Form NODI:

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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
70295	Solids, total dissolved	1 - Effluent Gross	10	--	Sample															
					Permit Req.							<=	5000 30DA AVG				19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI								9 - Conditional Monitoring - Not Required This Period							

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Comments

Attachments

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User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-11-27 09:04 (Time Zone: -07:00)

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Name:

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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 10/01/19 to 10/31/19

DMR Due Date:

11/28/19

Status:

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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: --

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Attachments

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Date/Time:

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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 10/01/19 to 10/31/19

DMR Due Date:

11/28/19

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:

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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							=	8.45			=	8.51	12 - SU		02/30 - Twice Per Month	GR - GRAB		
					Permit Req.						>=	6.5 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/30 - Monthly	GR - GRAB			
					Value NODI																		
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample									<	20	<	20	19 - mg/L		02/30 - Twice Per Month	GR - GRAB		
					Permit Req.						<=	35 30DA AVG	<=	70 MX 7D AV	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB					
					Value NODI																		
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample									<	400	<	400	28 - ug/L		01/30 - Monthly	GR - GRAB		
					Permit Req.						<=	1000 30DA AVG	<=	6000 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB					
					Value NODI																		
01323	Selenium, potentially dissolvd	1 - Effluent Gross	10	--	Sample									=	0.95	=	1	28 - ug/L		02/30 - Twice Per Month	GR - GRAB		
					Permit Req.									Req Mon 30DA AVG	<=	18.4 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB			
					Value NODI																		
03582	Oil and grease	1 - Effluent Gross	0	--	Sample																		
					Permit Req.											<=	10 INST MAX	19 - mg/L		77/77 - Contingent	GR - GRAB		
					Value NODI												9 - Conditional Monitoring - Not Required This Period						
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	10	--	Sample	=	0.0441	=	0.0485	03 - MGD											02/30 - Twice Per Month	IN - INSTAN	
					Permit Req.	<=	.4833 30DA AVG		Req Mon DAILY MX	03 - MGD										0	02/30 - Twice Per Month	IN - INSTAN	
					Value NODI																		
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	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																		

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Comments

Attachments

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2019-11-27 09:05 (Time Zone: -07:00)