



STATE OF
COLORADO

Musick - DNR, Jason <jason.musick@state.co.us>

2nd Quarter DMRs

1 message

Blomquist, Miranda <MBlomquist@peabodyenergy.com>
To: "Musick - DNR, Jason" <jason.musick@state.co.us>

Mon, Aug 7, 2017 at 1:16 PM

Jason,

Attached are the 2nd quarter DMR's for the Seneca properties. Let me know if you have any questions!

Thanks

Miranda Kawcak (Blomquist)

Engineering Technician – Environmental

Twentymile Coal, LLC

29515 Routt County Rd #27 Oak Creek, Colorado 80467

Office: (970) 870-2718 Cell: (970) 439-8273



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2 attachments



Seneca Complex CO-0000221 2nd QTR 2017 Complete DMR's.pdf
857K



HG 2nd QTR 2017 Complete DMR's.pdf
137K



Seneca Coal Company

July 26, 2017

Colorado Department of Public Health and Environment
Water Quality Control Division
Permits and Enforcement Section
4300 Cherry Creek Drive South
Denver, CO 80246-1530

RE: Second Quarter 2017 DMRs for CPDS Permit No. CO-0000221, SMC

Dear Sir or Madam:

Pursuant to reporting requirements contained in Colorado Discharge Permit CO-0000221 for the Seneca Mine Complex (SMC), enclosed please find the above referenced Discharge Monitoring Reports (DMRs) for Outfalls: 005, 006, 008, 009, 010, 011, 012, 013, 014, 015, 016 and 017.

No excursions of effluent limits occurred this monitoring period. Please contact me with any comments and/or questions.

Sincerely,

Miranda Blomquist

TNS/*tns*

Enclosure: CO-0000221 DMRs

cc: Mr. Jason Musick
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203-2273

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	005-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO TRIB/DRY CREEK

External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****	*****						
00400 1 0 Effluent Gross Solids, settleable	PERMIT REQUIREMENT	*****	*****	*****	8.53		8.59	0	2/91	INSITU
	SAMPLE MEASUREMENT	*****	*****	*****	6.5 MINIMUM		9 MAXIMUM		Monthly	INSITU
00545 1 0 Effluent Gross	SAMPLE MEASUREMENT						<0.40	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****			140.00	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****			NA	0	NA	NA
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	10 INST MAX		Contingent	GRAB
03582 1 0 Effluent Gross	SAMPLE MEASUREMENT							0	3/91	INSTAN
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****		Monthly	INSTAN
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.02	0.05	MGD						
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****				
50050 1 0 Effluent Gross Solids, total dissolved	SAMPLE MEASUREMENT			*****			3785.00	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. QRTX AVG	Req. Mon. DAILY MX		Quarterly	GRAB
70295 1 0 Effluent Gross	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****			
Oil and grease visual	SAMPLE MEASUREMENT		0	0				0	2/91	VISUAL
	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Got Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MMDDYYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/DRY CREEK

External Outfall

No Discharge ☐

CO0000221	006-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	7.76	*****	*****	8.22	SU	0	3/91	INSITU
00400 1 0	PERMIT REQUIREMENT	*****	6.5 MINIMUM	*****	*****	9 MAXIMUM	SU		Monthly	INSITU
Solids, settleable	SAMPLE MEASUREMENT	*****	*****	*****	<0.40	<0.40	ML/L	0	3/91	GRAB
00545 1 0	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	96.70	150.00	UG/L	0	3/91	GRAB
00980 1 0	PERMIT REQUIREMENT	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	ug/L		Monthly	GRAB
Manganese, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	220.00	220.00	UG/L	0	3/91	GRAB
01319 1 0	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Selenium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	1.45	1.70	UG/L	0	3/91	GRAB
01323 1 0	PERMIT REQUIREMENT	*****	*****	*****	4.6 30DA AVG	Req. Mon. DAILY MX	ug/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	0	NA	NA
03582 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.15	0.20	MGD	*****	*****	*****	0	3/91	INSTAN
50050 1 0	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****	*****		Monthly	INSTAN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GRM	<i>Patrick Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS & FINAL TR IRON LIMITS WAIVED FOR >10YR.24HRPRECIP EVENT SUBJECT OF BURDEN OFFPROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	006-A
PERMIT NUMBER	DISCHARGE NUMBER

MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017
MONITORING PERIOD	

DMR Mailing ZIP CODE: 81639

MAJOR

ROUT

DSCHG TO TRIB/DRY CREEK

External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Solids, total dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	*****	3140.00	MG/L	0	3/91	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	*****	0	0	*****	Req. Mon. QTR AVG	mg/L		Quarterly	GRAB
	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****	0	3/91	VISUAL
84066 10 Effluent Gross	PERMIT REQUIREMENT	*****			*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Got Sollars</i>	970870 2719	7/28/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS & FINAL TR IRON LIMITS WAIVED FOR >10YR, 24HRPRECIP EVENT SUBJECT OF BURDEN OFFPROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME/ ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	008-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/FISH CREEK

External Outfall

No Discharge ☐

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	5/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	SU	0	Monthly	INSITU
Solids, settleable	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	ML/L	0	3/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mL/L	0	Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	UG/L	0	3/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	ug/L	0	Monthly	GRAB
Manganese, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	UG/L	0	1/91	GRAB
01319 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	ug/L	0	Quarterly	GRAB
Selenium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	UG/L	0	3/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	ug/L	0	Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	NA	0	NA	NA
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mg/L	0	Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.07	0.16	MGD	*****	*****	*****	0	5/91	INSTANT
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	INSTANT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Patrick Sollars</i>	970 870 2719	7/23/17
TYPED OR PRINTED	AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	008-A
PERMIT NUMBER	DISCHARGE NUMBER

MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUT

DSCHG TO TRIB/FISH CREEK

External Outfall

No Discharge ☐

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Solids, total dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	2973.33	MG/L	0	3/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. QRTTR AVG	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	*****	0	0	*****	*****	*****	0	3/91	VISUAL
	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM		9708702719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE:

MAJOR

81639

ROUTT

DSCHG TO TRIB/SAGE CREEK

External Outfall

No Discharge ☒

CO0000221	009-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	*****	*****	*****	*****	*****	*****			
00400 1 0 Effluent Gross	*****	*****	*****	*****	*****	SU		Monthly	INSITU
Solids, settleable	*****	*****	*****	*****	*****	*****			
00545 1 0 Effluent Gross	*****	*****	*****	*****	*****	mL/L		Monthly	GRAB
Oil and grease	*****	*****	*****	*****	*****	*****			
03582 1 0 Effluent Gross	*****	*****	*****	*****	*****	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	*****	*****			
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Monthly	INSTAN
Solids, total dissolved	*****	*****	*****	*****	*****	*****			
70295 1 0 Effluent Gross	*****	*****	*****	*****	*****	mg/L		Quarterly	GRAB
Oil and grease visual	*****	*****	*****	*****	*****	*****			
84066 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE	DATE
TYPED OR PRINTED Patrick Sollars, GM		970 870 2749 AREA Code NUMBER	7/25/17 MM/DD/YYYY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 			

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/GRASSY CREEK

External Outfall

No Discharge ☐

CO0000221	010-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	*****	*****	7.85	*****	8.01	0	3/91	INSITU
00400 1 0 Effluent Gross Solids, settleable	PERMIT REQUIREMENT	*****	*****	*****	6.5 MINIMUM	*****	9 MAXIMUM		Monthly	INSITU
00545 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.40	ML/L	0	3/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	*****	190.00	UG/L	0	2/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	1000 30DA AVG	ug/L		Monthly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.65	UG/L	0	2/91	GRAB
01306 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	ug/L		Monthly	GRAB
Selenium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.85	UG/L	0	2/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	ug/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	0	NA	NA
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.07	0.11	MGD	*****	*****	*****	0	3/91	INSTAN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****		Monthly	INSTAN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sallars	<i>Pat Sallars</i>	970 870 2799	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

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OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUT

DSCHG TO TRIB/GRASSY CREEK

External Outfall

No Discharge ☐

CO0000221	010-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Solids, total dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****		Quarterly	GRAB
70295 10 Effluent Gross	SAMPLE MEASUREMENT	*****	0	*****	*****	*****	*****	0	3/91	VISUAL
	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	*****	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollas, GM		970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	011-A
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO GRASSY CREEK

External Outfall

No Discharge ☐

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	8.11	*****	*****	8.21	SU	0	2/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	6.5 MINIMUM	*****	*****	9 MAXIMUM	SU		Monthly	INSITU
Solids, settleable	SAMPLE MEASUREMENT	*****	*****	*****	<0.40	<0.40	ML/L	0	2/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	35.00	40.00	UG/L	0	2/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	ug/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	0	NA	NA
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.01	0.03	MGD	*****	*****	*****	0	3/91	INSTAN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****	*****		Monthly	INSTAN
Solids, total dissolved	SAMPLE MEASUREMENT	*****	*****	*****	1475.00	1630.00	MG/L	0	2/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. QRTTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	*****	0	0	*****	*****	*****	0	3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sellers, GM	<i>Pat Sellers</i>	970 820 2719	7/25/17
TYPED OR PRINTED	AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SETTLABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.2. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO SAGE CREEK

External Outfall

No Discharge ☐

CO0000221	012-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	3/91	INSITU
00400 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	INSITU
Solids, settleable	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	3/91	GRAB
00545 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	GRAB
Iron, total recoverable	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	3/91	GRAB
00980 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	GRAB
Manganese, potentially dissolved	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	1/91	GRAB
01319 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Quarterly	GRAB
Selenium, potentially dissolved	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	3/91	GRAB
01323 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	GRAB
Oil and grease	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	NA	NA
03582 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Contingent	GRAB
Flow, in conduit or thru treatment plant	MEASUREMENT	0.11	0.11	MGD	*****	*****	*****	0	3/91	INSTANT
50050 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	INSTANT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GrM	<i>Patrick Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY
			MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3 OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	012-A
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO SAGE CREEK

External Outfall

No Discharge ☐

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Solids, total dissolved	*****	*****	*****	*****	3006.67	MG/L	0	3/91	GRAB
	*****	*****	*****	*****	Req. Mon. QRTX AVG	mg/L		Quarterly	GRAB
70295 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	0	3/91	VISUAL
	*****	*****	*****	*****	*****	*****		Monthly	VISUAL
Oil and grease visual	*****	*****	*****	*****	*****	*****	0	3/91	VISUAL
	*****	*****	*****	*****	*****	*****		Monthly	VISUAL
84066 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	0	3/91	VISUAL
	*****	*****	*****	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sellers, GM		970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3 OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO SAGE CREEK

External Outfall

No Discharge ☐

CO0000221	013-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	*****		*****		*****				
00400 1 0 Effluent Gross	*****		*****	8.75		SU	0	2/91	INSITU
Solids, settleable	*****		*****	6.5 MINIMUM		9 MAXIMUM		Monthly	INSITU
00545 1 0 Effluent Gross	*****		*****	<0.40		ML/L	0	2/91	GRAB
Iron, total [as Fe]	*****		*****	Req. Mon. 30DA AVG		mL/L		Monthly	GRAB
01045 1 0 Effluent Gross	*****		*****	110.00		UG/L	0	1/91	GRAB
Oil and grease	*****		*****	3000 30DA AVG		ug/L		Monthly	GRAB
03582 1 0 Effluent Gross	*****		*****	*****		NA	0	NA	NA
Flow, in conduit or thru treatment plant	*****		*****	*****		mg/L		Contingent	GRAB
50050 1 0 Effluent Gross	0.01	0.01	MGD	*****		*****	0	3/91	INSTAN
Solids, total dissolved	*****		*****	*****		*****		Monthly	INSTAN
70295 1 0 Effluent Gross	*****		*****	3640.00		MG/L	0	2/91	GRAB
Oil and grease visual	*****		*****	Req. Mon. QTR AVG		mg/L		Quarterly	GRAB
84066 1 0 Effluent Gross	*****		*****	*****		*****	0	3/91	VISUAL
	*****		*****	*****		*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sellers, Grm	<i>Got Allen</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDE OF PROOF IN I.A.3.OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221
PERMIT NUMBER

014-A
DISCHARGE NUMBER

MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR ROUTT

DSCHG TO TRIB/SAGE CREEK
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****	*****		*****				
	PERMIT REQUIREMENT	*****	*****	*****	8.42		SU	0	2/91	INSITU
	SAMPLE MEASUREMENT	*****	*****	*****	6.5 MINIMUM		SU		Monthly	INSITU
	PERMIT REQUIREMENT	*****	*****	*****		<0.40	ML/L	0	2/91	GRAB
00545 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	NA	0	NA	NA
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	10 INST MAX		Contingent	GRAB
	SAMPLE MEASUREMENT	0.00	0.01	MGD	*****	*****	*****	0	3/91	INSTAN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****	*****		Monthly	INSTAN
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	1630.00	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	Req. Mon. QTR AVG		Quarterly	GRAB
	SAMPLE MEASUREMENT	*****	0	0	*****	*****	*****	0	3/91	VISUAL
	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Patrick Sollars</i>	970 810 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF - I.A.3.OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	015-A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUT

DISCHARGE TO SAGE CREEK

External Outfall

No Discharge ☐

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	8.18	*****	*****	8.36	SU	0	3/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	6.5 MINIMUM	*****	*****	9 MAXIMUM	SU		Monthly	INSITU
Solids, settleable	SAMPLE MEASUREMENT	*****	*****	*****	<0.40	<0.40	ML/L	0	3/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	0	NA	NA
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.06	0.07	MGD	*****	*****	*****	0	3/91	INSTAN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	MGD	*****	*****	*****		Monthly	INSTAN
Solids, total dissolved	SAMPLE MEASUREMENT	*****	*****	*****	483.33	490.00	MG/L	0	3/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. QTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	*****	0	0	*****	*****	*****	0	3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Pat Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221
PERMIT NUMBER016-A
DISCHARGE NUMBER

MONITORING PERIOD

MM/DD/YYYY
04/01/2017MM/DD/YYYY
06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/HUBBERSON GULCH
External OutfallNo Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00400 1 0 Effluent Gross Solids, settleable	PERMIT REQUIREMENT	*****	*****	*****	7.98	8.43	SU	0	3/91	INSITU	
	SAMPLE MEASUREMENT	*****	*****	*****	6.5 MINIMUM	*****	9 MAXIMUM	SU	Monthly	INSITU	
00545 1 0 Effluent Gross Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****		<0.40	ML/L	0	3/91	GRAB	
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L	Monthly	GRAB	
00980 1 0 Effluent Gross Selenium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****	*****	73.30	90.00	UG/L	0	3/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	ug/L	Monthly	GRAB	
01323 1 0 Effluent Gross Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	1.63	1.90	UG/L	0	3/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L	Monthly	GRAB	
03582 1 0 Effluent Gross Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	NA	NA	0	NA	NA
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	10 INST MAX	mg/L	Contingent	GRAB	
50050 1 0 Effluent Gross Solids, total dissolved	SAMPLE MEASUREMENT	0.15	0.19	MGD	*****	*****	*****	*****	0	3/91	INSTAN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****	*****	*****	Monthly	INSTAN	
70295 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	1780.00	2010.00	MG/L	0	3/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. QTR AVG	Req. Mon. DAILY MX	mg/L	Quarterly	GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patricia Sollars, GM	<i>Pat Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & TOTAL IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR 24HR PRECIP EVENT; TSS, TOTAL IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO PROOF OF BURDEN IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	016-A
PERMIT NUMBER	DISCHARGE NUMBER

MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017
MONITORING PERIOD	

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/HUBBERSON GULCH
External OutfallNo Discharge ☐

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE	UNITS			
Oil and grease visual	*****	0		*****	*****		*****	*****	0	3/91	VISUAL
84066 1 0 Effluent Gross	*****	Req. Mon. INST MAX	Y=1;N=0	*****	*****		*****	*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM TYPED OR PRINTED				
			970 870 2719	7/25/14
			AREA Code NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & TOTAL IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, TOTAL IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO PROOF OF BURDEN IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	017-A
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO HUBBERSON GULCH
External OutfallNo Discharge ☐

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
pH	*****	*****	*****	8.30	*****	SU	0	3/91	INSITU
00400 1 0 Effluent Gross	*****	*****	*****	6.5 MINIMUM	*****	SU		Monthly	INSITU
Solids, settleable	*****	*****	*****	*****	*****	ML/L	0	3/91	GRAB
00545 1 0 Effluent Gross	*****	*****	*****	*****	*****	mL/L		Monthly	GRAB
Iron, total recoverable	*****	*****	*****	*****	*****	UG/L	0	3/91	GRAB
00980 1 0 Effluent Gross	*****	*****	*****	*****	*****	ug/L		Monthly	GRAB
Selenium, potentially dissolved	*****	*****	*****	*****	*****	UG/L	0	3/91	GRAB
01323 1 0 Effluent Gross	*****	*****	*****	*****	*****	ug/L		Monthly	GRAB
Oil and grease	*****	*****	*****	*****	*****	NA	0	NA	NA
03582 1 0 Effluent Gross	*****	*****	*****	*****	*****	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	0.21	0.29	MGD	*****	*****	*****	0	3/91	INSTAN
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Monthly	INSTAN
Solids, total dissolved	*****	*****	*****	*****	*****	MG/L	0	3/91	GRAB
70295 1 0 Effluent Gross	*****	*****	*****	*****	*****	mg/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GrM	<i>Patrick Sollars</i>	970 870 2714	7/25/17
TYPED OR PRINTED		AREA Code	NUMBER
			MMDDYYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3 OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE:

MAJOR

ROUT

DISCHARGE TO HUBBERSON GULCH

External Outfall

No Discharge ☐

CO0000221	017-A
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Oil and grease visual	SAMPLE MEASUREMENT	*****			*****		*****			
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	0	0	*****		*****	0	3/91	VISUAL
			Req. Mon. INST MAX	Y=1,N=0	*****		*****		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Pat Sollars</i>	970.870.2774	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS & IRON LIMITS WILL BE WAIVED & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENT; TSS, IRON & SETTLEABLE SOLIDS LIMITS WAIVED FOR >10YR, 24HR PRECIP EVENT SUBJECT TO BURDEN OF PROOF IN I.A.3.OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221
PERMIT NUMBER

MN1-1

DISCHARGE NUMBER

MONITORING PERIOD

MM/DD/YYYY

04/01/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO GRASSY CREEK

External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
Zinc, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****					0	1/91	GRAB
01303 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		<10.00	UG/L	Req. Mon. DAILY MX		Quarterly	GRAB
Silver, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.05	UG/L		0	1/91	GRAB
01304 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		3.30	UG/L		0	1/91	GRAB
01306 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Cadmium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.10	UG/L		0	1/91	GRAB
01313 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Chromium, trivalent, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.50	UG/L		0	1/91	GRAB
01314 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Lead, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.10	UG/L		0	1/91	GRAB
01318 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Nickel, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<8.00	UG/L		0	1/91	GRAB
01322 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Patricia Solares, GM

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Cat Solares

TELEPHONE

970 870 2719

AREA Code

NUMBER

DATE

7/25/17

MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221
PERMIT NUMBER

MN1-1

DISCHARGE NUMBER

MONITORING PERIOD

MM/DD/YYYY

04/01/2017

MM/DD/YYYY

06/30/2017

DMR Mailing ZIP CODE:

MAJOR

ROUTT

DISCHARGE TO GRASSY CREEK

External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Selenium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	*****		0.40	UG/L	0	1/91	GRAB
01323 10 Effluent Gross Mercury, total [as Hg]	SAMPLE MEASUREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L		Quarterly	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		0.0006	UG/L	0	1/91	GRAB
71900 10 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L		Quarterly	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GRM	<i>Pat Sollars</i>	9708702719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221

MN1-3

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

MM/DD/YYYY

04/01/2017

MM/DD/YYYY

06/30/2017

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO SAGE CREEK

External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
Arsenic, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		0.90	UG/L	Req. Mon. DAILY MX		Quarterly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****		200.00	UG/L	300.00	0	2/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Zinc, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		20.00	UG/L	20.00	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Silver, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.05	UG/L	<0.05	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		1.30	UG/L	1.30	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Cadmium, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.10	UG/L	<0.10	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Chromium, trivalent, potentially dissolved	SAMPLE MEASUREMENT	*****	*****	*****		<0.50	UG/L	<0.50	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****		Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sollars, GM	<i>Patrick Sollars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MMDDYYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DISCHARGE TO SAGE CREEK


External Outfall

No Discharge ☐

CO0000221	MN1-3
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
04/01/2017	06/30/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Lead, potentially dissolved	01318 10 Effluent Gross	*****	*****	*****	0.40	0.40	UG/L	0	1/91	GRAB
		*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Manganese, potentially dissolved	01319 10 Effluent Gross	*****	*****	*****	48.00	48.00	UG/L	0	1/91	GRAB
		*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Nickel, potentially dissolved	01322 10 Effluent Gross	*****	*****	*****	<8.00	<8.00	UG/L	0	1/91	GRAB
		*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Selenium, potentially dissolved	01323 10 Effluent Gross	*****	*****	*****	18.30	18.30	UG/L	0	1/91	GRAB
		*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Mercury, total [as Hg]	71900 10 Effluent Gross	*****	*****	*****	0.0017	0.0017	UG/L	0	1/91	GRAB
		*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
TYPED OR PRINTED		970 870 2719 AREA Code NUMBER	7/25/17 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221	MINO-5
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 81639

MAJOR

ROUTT

DSCHG TO TRIB/DRY CREEK

External Outfall

No Discharge ☐

MONITORING PERIOD
MM/DD/YYYY
04/01/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
Zinc, potentially dissolved	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<20.00	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Silver, potentially dissolved	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<0.10	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<1.00	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
01306 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<0.20	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Cadmium, potentially dissolvd	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<0.20	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
01313 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<1.00	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Chromium, trivalent, potentially dissolvd	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	8.30	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Lead, potentially dissolvd	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<20.00	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
01318 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	<20.00	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX		Quarterly	GRAB
Nickel, potentially dissolvd	SAMPLE MEASUREMENT	*****		*****					0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	Req. Mon. 30DA AVG	ug/L	Req. Mon. DAILY MX	Req. Mon. DAILY MX		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Solars, GRM	<i>Cot Solars</i>	970 870 2719	7/25/17
TYPED OR PRINTED	AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

CO0000221
PERMIT NUMBERMN0-5
DISCHARGE NUMBER

MONITORING PERIOD

MM/DD/YYYY
04/01/2017

ROUTT

DSCHG TO TRIB/DRY CREEK
External Outfall

DMR Mailing ZIP CODE:

MAJOR

No Discharge ☐

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
Selenium, potentially dissolved 01323 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.60	0.60	UG/L	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Mercury, total [as Hg] 71900 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.0014	0.0014	UG/L	0	1/91	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Every person who furnishes information is directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
TYPED OR PRINTED Patrick Sellars, GM				
		970870 2749	7/25/17	
		AREA Code NUMBER	MM/DD/YYYY	

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AFTER COLLECTION OF 12 SAMPLES, PERMITTEE IS REQUIRED TO REQUEST A REASONABLE POTENTIAL ANALYSIS BEPERFORMED.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE: 81639


MAJOR

ROUTT

CHRONIC WET TESTING FOR 008A
External OutfallNo Discharge ☐

CO0000221	WTE-X
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
01/01/2017	12/31/2017

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
Toxicity [chronic], Ceriodaphnia dubia	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	-----	0	1/365	GRAB	
61426 P 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	tox chronic		Annual	GRAB	
Toxicity [chronic], Ceriodaphnia dubia	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	-----	0	1/365	GRAB	
61426 S 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	tox chronic		Annual	GRAB	
Toxicity [chronic], Pimephales promelas [Fathead Minnow]	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	-----	0	1/365	GRAB	
61428 P 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	tox chronic		Annual	GRAB	
Toxicity [chronic], Pimephales promelas [Fathead Minnow]	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	-----	0	1/365	GRAB	
61428 S 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	tox chronic		Annual	GRAB	
%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	%	0	1/365	GRAB	
TCP3B P 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	%		Annual	GRAB	
%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	%	0	1/365	GRAB	
TCP3B S 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	%		Annual	GRAB	
%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	%	0	1/365	GRAB	
TCP6C P 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	%		Annual	GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Patrick Sellers, Sr. Env Specialist		970 870 2719	7/25/17
TYPED OR PRINTED	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

RPT RESULTS OF LETHALITY DERIVATIONS AS "%EFFECT", GROWTH & REPROD DERIVATIONS AS "TOXICITY". RPT LOWEST % EFFL AT WHICH STATISTICALLY SIGNIF DIFF BTWN TEST & CONTROL WAS OBSERVED USING TEST CODE "S". RPTIC25 USING TEST CODE "P". ATTACH CHRON TOX TEST RPT TO DMR.

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if Different)

NAME: Seneca Coal Co LLC

ADDRESS: PO Box 670

Hayden, CO 81639-0670

FACILITY: SENECA MINE COMPLEX

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DMR Mailing ZIP CODE:

MAJOR

ROUTT

CHRONIC WET TESTING FOR 008A

External Outfall

No Discharge ☐

CO0000221	WTE-X
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
01/01/2017	12/31/2017

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
%Effect State 7Day Chronic Pinephales	*****	*****	*****	*****	*****	*****	0	1/365	GRAB
TCP6C S 0	*****	*****	*****	*****	*****	*****		Annual	GRAB
See Comments									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Pat Solars, GM</i>	TELEPHONE	DATE
TYPED OR PRINTED <i>Patrick Solars, GM</i>		970-870-2719 AREA Code NUMBER	7/25/17 MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

RPT RESULTS OF LETHALITY DERIVATIONS AS "%EFFECT", GROWTH & REPROD DERIVATIONS AS "TOXICITY". RPT LOWEST % EFFL AT WHICH STATISTICALLY SIGNIF DIFF BTWN TEST & CONTROL WAS OBSERVED USING TEST CODE "S". RPTIC25 USING TEST CODE "P". ATTACH CHRON TOX TEST RPT TO DMR.