

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

Peabodu

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2 attachments



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



HG 2nd QTR 2017 Complete DMR's.pdf



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

Muade Blongwist

cc: Mr. Jason Musick

Colorado Division of Reclamation, Mining and Safety

1313 Sherman Street, Room 215

Denver, CO 80203-2273

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

Hayden, CO 81639-0670 Seneca Coal Co LLC PO Box 670 ADDRESS: NAME:

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 005-A MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

81639

.. OMB No. 2040-0004

MAJOR

DISCHARGE TO TRIB/DRY CREEK External Outfall

No Discharge

		QUA	QUANTITY OR LOADING	<u> </u>	O	QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	STINO	<u>교</u>	F ANALYSIS	TYPE
Hd	SAMPLE	****	*****	***		****					
	MEASUREMENT				8.53		8.59	SU	0	2/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	***	6.5 MINIMUM	*****	9 MOMIXAM	റട		Monthly	ULISNI
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	S. DAILY MX	mL/L		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	在實施學者	****	****	安五根水板	130.00	140.00) 1/9N	0	2/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	T/6n		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	0.02	0.05	MGD	****	化水水油甘水	*****	****	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	化放生未收收	****	*****	****	3785.00	3870.00	1/9M	0 2	2/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	****	0	0	*****	****	法法院法院的	***	0	2/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	***	Req. Mon. INST MAX	Y=1;N=0	****	*****	****	*****		Monthly	VISUAL

	SIGNATURE OF
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Lecrity under penalty of law that this document and all attachments were prepared under my direction or supervision that a system deligned to assure that qualified personnel operating dather and control of the program of personnel operating after and control of the program of personnel operating and the program of personnel operating and the program of personnel operations are personnel or	SCOUCES, A Manual of the second of the secon
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Patrick Sollars, GM

PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

9708702719

7/25/17

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

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.

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

Page 1

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

Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 006-A MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

OMB No. 2040-0004

81639 DSCHG TO TRIB/DRY CREEK External Outfall MAJOR

No Discharge

		QUAN	QUANTITY OR LOADING	G	O.	QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	(V)
PARAMETER		VALUE	VALUE	SLINN	VALUE	VALUE	VALUE	UNITS	EX	r ANALYSIS	TYPE
Hd	SAMPLE	***	****	*****		***					
	MEASUREMENT				7.76		8.22	SU	0 3	3/91	INSITU
00400 1 0 Effuent Gross	PERMIT REQUIREMENT	*****	*****	****	6.5 MINIMUM	*****	9 MAXIMUM	ns		Monthly	INSITU
Solids, settleable	SAMPLE MEASUREMENT	****	***	***	****	<0.40	<0.40) 1/1M	0	3/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	**	***	*****	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	***	****	****	*****	02'96	150.00) 1/90	0 3	3/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	*****	****	1000 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Manganese, potentially dissolvd	SAMPLE MEASUREMENT	****	****	**	*****	220.00	220.00	UG/L (0	3/91	GRAB
01319 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	*****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Selenium, potentially dissolvd	SAMPLE MEASUREMENT	****	*****	****	***	1.45	1.70	ng/t (0 3	3/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****	*****	*****	4.6 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	***	****	*****	***	****	NA	NA (0	NA	AN
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	****	***	****	****	水水果水水	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 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	****	***	***	****		Monthly	INSTAN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER certify under panalty of law that this document and all all activements were prepared under my direction or supervision to expense to asset the property pather and supervision or the property pather and supervision or the property of the property pather and supervision or the property pather and supervision or the property pather and supervision of the property or the property pather and supervision or the property pather and supervision of the property pather and supervision or the property pather and property pather a
Patrick Sollars, GrM	PORT (K SONIATE OF THE PRESENCE OF THE PROPERTY OF THE PROPERT
TYPED OR PRINTED	

9708702719 AREA Code SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7/25/17 MM/DD/YYYY

NUMBER

DATE

TELEPHONE

SETTLEABLE SOLIDS LIMITS & FINAL TR IRON LIMITS WAIVED FOR >10YR, 24HRPRECIP EVENT SUBJECT OF BURDEN OFPROOF IN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2. COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

OMB No. 2040-0004

81639

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

Seneca Coal Co LLC NAME:

PO Box 670 Hayden, CO 81639-0670 ADDRESS:

DISCHARGE NUMBER 006-A PERMIT NUMBER CO0000221

DMR Mailing ZIP CODE: MAJOR

ROUTT

TACTION TO THE STATE OF THE STA				MON	MONITORING PERIOD	OC	Sa -	DSCHG TO TRIB/DRY CREEK	RIB/DR	CREEK	
* OCATION: SENECA MINE COMPLEX	APLEX			MM/DD/YYYY		MIM/DD/YYYY	Ŭ.	External Outfall	_		
LUCATION: 3/766 RCR 53 HAVDEN CO 81630	o			04/01/2017		06/30/2017				No Discharge	
ATTN: Scott Cowman/Sr Env Specialist	ecialist						I]
		QUAN	QUANTITY OR LOADING	9		QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	SAMPLE
PARAMETER	<u> </u>	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	Ä	OF ANALYSIS	TYPE
Solids, total dissolved	SAMPLE	***	****	***	*****						
	MEASUREMENT					3140.00	3770.00	MG/L	0	3/91	GRAB
70295 1 0	PERMIT	*****	****	****	*****	Reg. Mon.	Req. Mon.	mg/L		Quarterly	GRAB
Effluent Gross	REQUIREMENT				***************************************	QRTR AVG	DAILY MX	1		•	
Oil and grease visual	SAMPLE	***			***	*****	***	*****			
	MEASUREMENT		0	0					0	3/91	VISUAL
84066 1 0	PERMIT	*****		Y=1;N=0	****	****	****	*****		Monthly	VISUAL
Effluent Gross	REQUIREMENT		INST MAX								

	Cot	SIGNATURE OF PE	AL
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I cacity under penalty of law that this document and all attachments were prepared under my direction or supervision to a system decourance with a system decourance of the control of the contr	eventuate the monitoriation sometimes, cases on in injury of in the posterior presents who manage the system, or those persons directly responsible for gathering the information, the information submitted is, the the injury of the posterior and sometimes and structual and complete an aware that there are structuals and complete are aware that there are structuals.	DOLLACYS, (T.W.) penallies for submitting take information, including the possibility of fine and imprisonment for knowing widelines.	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		Fatrick Sollars, GIM	TYPED OR PRINTED *

9728702719 NUMBER AREA Code PRINCIPAL EXECUTIVE OFFICER OR UTHORIZED AGENT

17/25/17

DATE

TELEPHONE

MM/DD/YYYY

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

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

81639

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

Seneca Coal Co LLC PO Box 670 ADDRESS: NAME:

Hayden,

SENECA FACILITY:

LOCATION: 37766 R(HAYDEN

ATTN: Scott Cowman

CO0000221

DMR Mailing ZIP CODE:

MAJOR	DSCHG TO TRIB/FISH CREEK	External Outfall	No Discharge	
DISCHARGE NUMBER	ING PERIOD	MM/DD/YYYY	06/30/2017	
PERMIT NUMBER	MONITORING PERIOD	MM/DD/YYYY	04/01/2017	
× 670	1, CO 81639-06/U	JA MINE COMPLEX	KUK 33 EN, CO 81639	ian/Sr Env Specialist

		QUAN	QUANTITY OR LOADING	9	g	QUALITY OR CONCENTRATION	CENTRATION		Š.	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		OF ANALYSIS	TYPE
Hd	SAMPLE	****	***	***		***					
	MEASOREMEN				7.36		8.66	SU	0	5/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	****	6.5 MINIMUM	*****	9 MAXIMUM	ns		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
Iron, total recoverable	SAMPLE	****	*****	****	*****						
	MEASUREMENT					406.70	560.00	UG/L	0	3/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	*****	****	1000 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Manganese, potentially dissolvd	SAMPLE	****	****	****	****						
	MEASUREMENT					510.00	510.00	NG/L	0	1/91	GRAB
01319 1 0 Effluent Gross	PERMIT REQUIREMENT	****	******	*****	****	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Selenium, potentially dissolvd	SAMPLE MEASUREMENT	****	****	****	****	2.80	5.10	7/9n	0	3/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	****	***	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/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	SAMPLE				****	***	****	*****			
plant	MEASUKEMEN	0.07	0.16	MGD					0	5/91	INSTAN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	****	***	****	***		Monthly	INSTAN

	SIGNATURE OF PRINCIPA AUTHORI
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Toerlify under penalty of law that this document and all altachments were prepared under my direction or supervision to accordance with a system designed to assure that qualified personning property galher and supervision to the contraction of the contracti	Sevaner un inon radion source. Lascoy in in y squay or inceptasin to passars must instangation to passars must included is, for the best of my knowledge and belief, frue, accurate, and complete. I am aware that face are significantly penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	RAFICK Sallars, GM

AL EXECUTIVE OFFICER OR RIZED AGENT

7/25/17

70 2719

DATE

TELEPHONE

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.

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

.. OMB No, 2040-0004

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

Seneca Coal Co LLC NAME:

ADDRESS: PO Box 670

Hayden, CO 81639-0670

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53 HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE: MAJOR

81639

DSCHG TO TRIB/FISH CREEK External Outfall No Discharge

		QUAN	QUANTITY OR LOADING	lG	9	QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	ă	OF ANALYSIS	TYPE
Solids, total dissolved	SAMPLE	有情况有情景	***	***	****						
	MEASUREMEN					2973.33	3060.00	MG/L	0	3/91	GRAB
70295 1 0	PERMIT	*****	****	****	*****	Req. Mon.	Req. Mon.	mg/L		Quarterly	GRAB
Effluent Gross	REQUIREMENT					QRTR AVG	DAILY MX				
Oil and grease visual	SAMPLE	****			****	*****	****	*****			
	MEASUREMENT		0	0					0	3/91	VISUAL
84066 1 0	PERMIT	*****	Req. Mon.	Y=1;N=0	*****	****	*****	*****		Monthly	VISUAL
Effluent Gross	REQUIREMENT		INST MAX								

		SIGNATURE OF	AUTHORIZED AGENT
CUTIVE OFFICER Leerlify under penalty of law that this document and all attentments were prepared under my direction or supervision in accordance with a system deligned to assure that qualified personnel property gather and account to the control of the personnel with measure of the control of the personnel with measure with measure of the control of the personnel with measure of the control of the personnel	evaluate the information southwest cases of grahefully the forestitute the information submitted is, for the base of smooth submitted is, for the base of smooth balls, thus severate and the information submitted is, for the base of smooth balls, thus severate and committed is an asset of the base of the forest submitted is.	GCS (CTV) ponules for submitting false information, including the possibility of fine and imprisonment for knowing	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		Takick Johass, Gran	TYPED OR PRINTED

970870279 OFFICER OR

7/22/17

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

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.

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

ADDRESS (Include Facility Name/Location if Different) Seneca Coal Co LLC PERMITTEE NA NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX **LOCATION: 37766 RCR 53** FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 A-600 MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

81639

.. OMB No. 2040-0004

MAJOR

DSCHG TO TRIB/SAGE CREEK ROUT

No Discharge X External Outfall

		QUAN	QUANTITY OR LOADING	9	Ø	QUALITY OR CONCENTRATION	ENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER	,	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		OF ANALYSIS	TYPE
Hd	SAMPLE MEASUREMENT	**	*****	**		***					
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	***	6.5 MINIMUM	****	9 MAXIMUM	ns		Monthly	INSITU
Solids, settleable	SAMPLE	****	****	****	****						
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	***	*****	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	****	****	*****	****	****			_		F
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	*****	*****	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT				****	****	****	*****			
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	*****	*****	*****	*****		Monthly	INSTAN
Solids, total dissolved	SAMPLE MEASUREMENT	***	*****	****	*****						
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	*****	****	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	***			*****	***	***	有条件条件			
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	***	Req. Mon. INST MAX	Y=1;N=0	*****	光花水水水	***	****		Monthly	VISUAL

s were propaged under thy arreadon or adfled personnel properly gather and son or persons who mandag the ter- manion, the information submitted is, te, I am aware that there are significant fifue and imprisonment for knowing	
ER I certify unto probability of law hish mis document and all attendments were graphed under they detend or supervision in accordance, will a system designed to assure that qualified personne property gather and explain the deviation the information submitted. Based on my intury of the person or persons who manage the system, or those persons effectly 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 pennities for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
Patrick Solass, GM Typed or Printed	

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

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

04/20/2015

7/25/17 MM/DD/YYYY

972 870 2719

NUMBER

DATE

TELEPHONE

.. OMB No. 2049-0004

DDRESS (Include Facility Name/Location if Different) Seneca Coal Co LLC

PERMITTEE NA

ADDRESS:

NAME:

FACILITY:

DISCHARGE NUMBER MIM/DD/YYYY 06/30/2017 010-A MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

81639 DSCHG TO TRIB/GRASSY CREEK External Outfall

No Discharge

SENECA MINE COMPLEX Hayden, CO 81639-0670 LOCATION: 37766 RCR 53 HAYDEN, CO 81639 PO Box 670

ATTN: Scott Cowman/Sr Env Specialist

		QUAN	QUANTITY OR LOADING	O	ø	QUALITY OR CONCENTRATION	CENTRATION		-	FREQUENCY	တ
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	AALUE	UNITS	<u>—</u>	OF ANALYSIS	TYPE
Hd	SAMPLE	****	***	****		***					
	MEASUREMENT				7.85		8.01	SU	0	3/91	INSITU
00400 1 0 Effuent Gross	PERMIT REQUIREMENT	***	*****	*****	6.5 MINIMUM	*****	9 MAXIMUM	SU		Monthly	INSITU
Solids, settleable	SAMPLE	***	****	****	****	<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
Iron, total recoverable	SAMPLE MEASUREMENT	****	****	***	***	190.00	190.00	UG/L	0	2/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	****	*****	*****	****	<0.65	<0.50	NG/L	0	2/91	GRAB
01306 1 0 Effluent Gross	PERMIT REQUIREMENT	***	**	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Selenium, potentially dissolvd	SAMPLE	****	***	*****	****	0.85	1.40	ng/L	0	2/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	****	***	****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Oil and grease	SAMPLE	****	****	****	***	*****	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	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	MGD	***	****	*****	**		Monthly	INSTAN

	Cot person	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	TVECTORITY		
Icertify under penalty of law that this document and all attachments were prepared under my direction or supervision in a accordance with a system designed to assure intal qualified personnel property grather and consulted the information or extending the angent or my invuity of the angent or describe who manner the	systemate from incommon addressing the systematical properties of the systemation, the information submitted is, and the systematical properties of the sys	to the best of rify stownedge and better, they accomate, and compared, if all events that there are algorithmen penalties for submitting false information, including the possibility of fine and imprisonment for knowing	Violations.		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		1 2010X Sollars		TYPED OR PRINTED	

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

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

Page 1

F1/52/1-1

97087059

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

AREA Code

PERMITTEE NA. ADDRESS (Include Facility Name/Location if Different) Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX LOCATION: 37766 RCR 53 FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 010-A MONITORING PERIOD PERMIT NUMBER **MM/DD/YYYY** 04/01/2017 CO0000221

DMR Mailing ZIP CODE: MAJOR

OMB No. 2040-0004

81639

DSCHG TO TRIB/GRASSY CREEK External Outfall No Discharge

SAMPLE TYPE GRAB VISUAL VISUAL GRAB FREQUENCY OF ANALYSIS Quarterly Monthly 2/91 3/91 <u> Ş</u> X 0 0 UNITS mg/L ***** ***** MG/L Req. Mon. DAILY MX QUALITY OR CONCENTRATION VALUE ***** 2510.00 Req. Mon. QRTR AVG VALUE ***** 2450.00 VALUE **** ***** **** Y=1;N=0 UNITS ***** ***** 0 QUANTITY OR LOADING Req. Mon. INST MAX VALUE ***** 0 VALUE ***** ***** ***** PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PARAMETER Solids, total dissolved Oil and grease visual 70295 1 0 Effluent Gross 84066 1 0 Effluent Gross

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.

04/20/2015

7/25/17

DATE

MM/DD/YYYY

OMB No. 2040-0004

81639

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

Seneca Coal Co LLC ADDRESS: NAME:

PO Box 670

SENECA MINE COMPLEX FACILITY:

Hayden, CO 81639-0670 LOCATION: 37766 RCR 53 HAYDEN, CO 81639

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

DMR Mailing ZIP CODE:

MAJOR

DSCHG TO GRASSY CREEK External Outfall No Discharge

ATTN: Scott Cowman/Sr Env Specialist	ecialist										
		QUAN	QUANTITY OR LOADING	ŋ	G	QUALITY OR CONCENTRATION	SENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	ă	OF ANALYSIS	TYPE
Hd	SAMPLE MEASUREMENT	女相说女教徒	****	**	8.11	在本长期本本	8.21	SU	0	2/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	6.5 MINIMUM	*****	9 MAXIMUM	ns		Monthly	ULISI
Solids, settleable	SAMPLE MEASUREMENT	***	****	****	***	<0.40	<0.40	T/IM	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	***	· · · · · · · · · · · · · · · · · · ·	***	***	35.00	40.00	NG/L	0	2/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	7/6n		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	***	****	****	NA	NA	0	NA	AN A
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	***	***	*****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE	0.01	0.03	MGD	*****	水光光妆工机	****	****	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	*****	老者先老老者	*****	*****	Req. Mon. QRTR 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	为我办法的代	****	****	***		Monthly	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	NAME/ITILE PRINCIPAL EXECUTIVE OFFICER contriby under penalty of law that this document and all attachments were prepared under my direction or supervision to a system decided to assure that qualified personnel property gather and supervision of the property of the pr
Patrick Sollars, GM	system, or those persons included as a person in the property of persons are interested in the system, or those persons included in the persons of persons submitted is, to the best of my knowledge and belief, frue, accurate, and complete, I am aware that there are significant persons for submitting lase information, including the possibility of fine and imprisonment for knowing persons are including the possibility of fine and imprisonment for knowing pipeling.
TYPED OR PRINTED	

7/25/17

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

AREA Code

970822719

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

ਫ਼1639

DERMITTEE NAI. DDRESS (Include Facility Name/Location if Different)

Seneca Coal Co LLC VAME:

PO Box 670 ADDRESS:

FACILITY:

DISCHARGE NUMBER MINI/DD/YYYY MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY CO0000221

MAJOR

DMR Mailing ZIP CODE:

ROUTT

SAMPLE TYPE INSTAN INSTAN INSITU INSIT GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB Ϋ́ No Discharge FREQUENCY OF ANALYSIS Contingent Quarterly Monthly Monthly Monthly Monthly Monthly DISCHARGE TO SAGE CREEK 3/91 3/91 3/91 1/91 3/91 3/91 Ϋ́ ŠΩ 0 0 0 0 0 0 0 External Outfall UNITS mĽĽ mg/L ***** ***** ML/L NG/L NG/L g/ J/ ģ 7/90 √g P S ΑŽ S .5 DAILY MX 10 INST MAX MAXIMUM Reg. Mon. DAILY MX Req. Mon. DAILY MX Req. Mon. DAILY MX QUALITY OR CONCENTRATION VALUE ***** 220.00 111.00 < 0.40 1.90 8.13 Ϋ́ Req. Mon. QRTR AVG 1000 30DA AVG Req. Mon. 30DA AVG Req. Mon. 30DA AVG VALUE ***** ***** ***** ***** 166.70 06/30/2017 111.00 <0.40 1.57 VALUE MINIMOM **** ***** **** *** **** ***** ***** **** **** **** ***** ***** 7.92 UNITS 04/01/2017 ***** MCD ***** ***** ***** ***** ***** ***** ***** ***** MGD QUANTITY OR LOADING Req. Mon. DAILY MX VALUE ***** ***** ***** **** ***** ***** ***** ***** ***** ***** **** 0.11 Req. Mon. 30DA AVG VALUE ***** **** ***** ***** **** ***** ***** ***** ***** ***** 0.11 PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT ATTN: Scott Cowman/Sr Env Specialist SENECA MINE COMPLEX Hayden, CO 81639-0670 HAYDEN, CO 81639 flow, in conduit or thru treatment Manganese, potentially dissolvd **COCATION: 37766 RCR 53** Selenium, potentially dissolvd PARAMETER ron, total recoverable Solids, settleable 00545 1 0 Effluent Gross 03582 1 0 Effluent Gross Effluent Gross Oil and grease Effluent Gross Effluent Gross **Effluent Gross** 01323 1 0 0098010 00400 1 0 0131910

*****	SIGNATURE OF PRINCIP. AUTHOR
MGD .*	Tearlify under penalty of law that this document and all attachments wen prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and variable the information submitted. Based on vinjudity of the person or persons who manage the system, or those persons reterrily reasons submitted is, to the best of the best of my knowledge and belief, true, accurate, and complete, I am aware that there are significant, penalises for submitting laise information, including the possibility of fine and imprisonment for knowing violations.
Reg. Mon. DAILY MX	nent and all attachments were: signed to assure that qualified on on yindry of the person or no yindry of the person or the formation of the person of the person of the formation of the formation of the formation of the possibility of fine an ording the possibility of fine and complete.
Req. Mon. 30DA AVG	I cardify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to assure that qualified personner properly gather and eventuate the information submitted. Based on ny 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 significan penalties for submitting faise information, including the possibility of fine and imprisonment for knowing violations.
PERMIT REQUIREMENT	DFFICER learly und evaluate Interpretation overlands Interpretation overlands Interpretation overlands in evaluations.
50050 1 0 Effluent Gross	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Supervision in accordance with a system designed to assure that qualified personnel properly gather and supervision in accordance with a system designed to assure that qualified personnel properly gather and supervision in accordance with a system of the person of the person or prefersors with manage the severable that information is information, the information submitted is, to the best of my knowledge and belief, the, accurate, and complete. I am aware that there are significant preparates for submitting false information, including the possibility of fine and imprisonment for knowing violations.

plant

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 1.A.3.01L & GREASE - SEE 1.B.1.X. TDS MONITORING - 1.B.2.

04/20/2015

7/25/17

PD 870 2719

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

AREA Code

PAL EXECUTIVE OFFICER OR RIZED AGENT

TEST TO THE TEST T

DDRESS (Include Facility Name/Location if Different) PERMITTEE NA

Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 ADDRESS: PO Box 670

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE:

81639

OMB No. 2040-0004

MAJOR

DISCHARGE TO SAGE CREEK ROUT External Outfall

No Discharge

		QUAN	QUANTITY OR LOADING	ပ)	QUALITY OR CONCENTRATION	CENTRATION		ġ	NO. FREQUENCY SAMPLE	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	М М	OF ANALYSIS	TYPE
Solids, total dissolved	SAMPLE MEASUREMENT	****	· · · · · · · · · · · · · · · · · · ·	****	****	3006.67	3050.00	MG/L 0 3/91	0	3/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	**	*****	****	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	法裁狱官部长	0	0	****	***	****	*****	0	0 3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	****	Reg. Mon. INST MAX	Y=1;N=0	****	*****	***	****		Monthly	VISUAL

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
Certify under penalty of law that this document and all attachments were prepared under my direction or appered in a accordance with a system designed to assure that qualified personnel properly galare and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for galhering the information, the information submitted is, to the base of my knowledge and belief, fuse, 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.	
Patrick Sollars, GM	TYPED OR PRINTED

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.3.01L & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

04/20/2015

7/25/F MM/DD/YYYY

9708702719

NUMBER

AREA Cade

DATE

TELEPHONE

ADDRESS (Include Facility Name/Location if Different) PERMITTEE NA.

Seneca Coal Co LLC NAME:

PO Box 670 ADDRESS:

Hayden, CO 81639-0670

SENECA MINE COMPLEX LOCATION: 37766 RCR 53 FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MIM/DD/YYYY 06/30/2017 013-A MONITORING PERIOD PERMIT NUMBER WM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

81639

OMB No. 2040-0004

MAJOR

DISCHARGE TO SAGE CREEK ROUTT

No Discharge

External Outfall

		QUAN	QUANTITY OR LOADING	9	3	QUALITY OR CONCENTRATION	CENTRATION		⊢	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	SLINN	VALUE	VALUE	VALUE	UNITS	<u></u>	OF ANALYSIS	TYPE
Ια	SAMPLE	***	****	***		***					
	MEASUREMENT				8.75		8.75	SU	0	2/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	****	6.5 MINIMUM	*****	9 MAXIMUM	ns		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 [as Fe]	SAMPLE MEASUREMENT	大學也就找到	***	***	***	110.00	110.00	UG/L	0	1/91	GRAB
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	****	*****	3000 30DA AVG	6000 DAILY MX	ng/L		Monthly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	***	****	***	*****	NA	NA	0	NA	NA
03582 1 0 Effluent Gross	PERMIT REQUIREMENT	大水水水水	*****	*****	*****	****	10 INST MAX	mg/L		Contingent	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.01	0.01	QÐW	***	*****	*****	****	0	3/91	INSTAN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	дэм	*****	*****	乔宾老林老秀	*****		Monthly	INSTAN
Solids, total dissolved	SAMPLE MEASUREMENT	安张文学教授	长沙外外大小	****	***	3640.00	4010.00	MG/L	0	2/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	***	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Oil and grease visual	SAMPLE MEASUREMENT	****	0	0	女员会会会	*****	*****	****	0	3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	***	Req. Mon. INST MAX	Y=1;N=0	****	化妆妆妆妆	****	****		Monthly	VISUAL

	TELEPHONE	975 ar 8 6 P	AREA Code NUMBE	
, , , , , , , , , , , , , , , , , , ,	O. M.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	AUTHORIZED AGENT	
	certify under penalty of law that this document and all attachments were prepared under my direction or supervised my minimal many accordance with a system designed to assure that qualified personnel property gather and a	system, or those persons directly responsible for gathering the information, the information submitted is, the the tot of the wave that there are significant penalties for submitting the passible of the state of the information, including the possibility of first and minimum for knowing	vicialions.	
	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER certify under penalty of law law incompance with accordance with accordance with accordance with a promoted principle of the principle of t	Patrick Sollars, Grid	TYPED OR PRINTED	

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.3.0IL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

04/20/2015

7(25/17

5419 NUMBER

DATE

MM/DD/YYYY

DDRESS (Include Facility Name/Location if Different) Seneca Coal Co LLC PERMITTEE NAI NAME

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

-OCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE:

81639

OMB No. 2040-0004

MAJOR

DSCHG TO TRIB/SAGE CREEK External Outfall

ROUT

SAMPLE TYPE INSTAN INSTAN INSITU VISUAL INSITU GRAB VISUAL GRAB GRAB GRAB GRAB ₹ FREQUENCY OF ANALYSIS Contingent Monthly Quarterly Monthly Monthly Monthly 2/91 2/91 3/91 3/91 2/91 Ž Š Ŗ 0 0 0 0 0 0 UNITS 길 mg/L ***** mg/L ML/L ***** MG/L **** ***** S ۲ SU MAXIMUM .5 DAILY MX Req. Mon. DAILY MX INST MAX QUALITY OR CONCENTRATION VALUE ***** 1810.00 <0.40 8.45 \exists Req. Mon. QRTR AVG Req. Mon. 30DA AVG VALUE **** ***** ***** ***** ***** 1630.00 < 0.40 MINIMUM VALUE ***** ***** ***** **** ***** **** ***** ***** ***** 8.42 Y=1;N=0 UNITS ***** MGD ***** ***** **** ***** **** MGD **** ***** 0 QUANTITY OR LOADING Req. Mon. INST MAX Req. Mon. DAILY MX VALUE ***** ****** ***** ***** ***** **** 0.01 0 Req. Mon. 30DA AVG VALUE ***** ***** ***** **** ***** ***** ***** 0.00 PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT Flow, in conduit or thru treatment PARAMETER Solids, total dissolved Oil and grease visual Solids, settleable 00400 1 0 Effluent Gross 00545 1 0 Effluent Gross 03582 1 0 Effluent Gross Oil and grease Effluent Gross Effluent Gross 84066 1 0 50050 10 70295 1 0

		TYPED OR PRINTED
SIG	penalties for submitting false information, including the possibility of fine and imprisonment for knowing Violations.	tatrick Sollars, GM
	regalase me information abunimes, cases on my and you we possors or possors are manage me system, or those persons directly responsible for gallheing the information, the information submitted is, no the best of one formation shaded as and half thus a secured and complete I are submitted as and expeditely.	
	Supervision in accordance with a system designed to assure that qualified personnel property gather and	
	NAME/TITI F PRINCIPAL EXECUTIVE OFFICER. Il certify under penalty of law that this document and all attachments were prepared under my direction or	NAME/TITI F PRINCIPAL EXECUTIVE OFFICER

Effluent Gross

97537579	AREA Code NUMBER
121	AUTHORIZED AGENT

7/25/17

DATE

TELEPHONE

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 - 1.A.3.0IL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

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

Seneca Coal Co LLC NAME:

ADDRESS: PO Box 670

Hayden, CO 81639-0670

SENECA MINE COMPLEX **LOCATION: 37766 RCR 53** FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE:

81639

OMB No. 2040-0004

MAJOR

External Outfall

No Discharge

DISCHARGE TO SAGE CREEK

		QUAN	QUANTITY OR LOADING	9	g	QUALITY OR CONCENTRATION	SENTRATION		<u> </u>	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	 X	OF ANALYSIS	TYPE
Hd	SAMPLE MEASUREMENT	***	****	在客水水水水	8 18	*************************************	92 8	15	c	3/91	INSITI
					0.10		6.30	200	+	17/2	
00400 1 0	PERMIT	*****	****	*****	6.5	****	თ	SU		Monthly	ULISNI
Effluent Gross	REQUIREMENT				MINIMUM		MAXIMUM				
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	******	*************************************	***	***	女书领者女师	NA	N A	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	900	0.07	MGD	*****	****	*****	*****	0	3/91	INSTAN
50050 1 0	PERMIT REQUIREMENT	Reg. Mon.	Req. Mon.	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. QRTR 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

	Got Killer	SIGNATURE OF	AUTHORIZED AGENT
I certify under penalty of law that this document and all aftedments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and included the supervision enhanced and appropriate the information are all assert on my many of the necessary or researce why manager that	System, or those persons directly responsible for gallering the information, the information submitted is, the those persons directly responsible for gallering the information, the information as submitted is, the those persons directly and consistent of the persons directly and consistent of the persons directly and the persons directly and persons the those persons are always the persons are always to be a person of the persons are always the persons are always to be a person of the persons are always the persons are always the persons are always the persons are always to be a person of the persons are always t	to the best of ity knowed grain belief, ther, according an Configure, I am aware this there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing	ODGARODS.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		Fetrick Johass, GA	TYPED OR PRINTED

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

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

Page 1

7/25/17 MM/DD/YYYY

870 ZTA NUMBER

AREA Code 970

DATE

TELEPHONE

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

Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

HAYDEN, CO 81639 **LOCATION: 37766 RCR 53**

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 016-A MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DIMR Mailing ZIP CODE: MAJOR

OMB No. 2040-0004

81639

ROUTT

DSCHG TO TRIB/HUBBERSON GULCH External Outfall

No Discharge

		QUAN	QUANTITY OR LOADING	G	0	QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	—— Ж	OF ANALYSIS	TYPE
Hd	SAMPLE	****	****	****		****					
	MEASUREMENT				7.98		8.43	SU	0	3/91	INSITU
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	*****	6.5 MINIMUM	表示者者表	9 MAXIMUM	Sch		Monthly	UNSITU
Solids, settleable	SAMPLE MEASUREMENT	女孩女孩婆女	古原教在京東	*****	****	<0.40	<0.40	NIL/L	0	3/91	GRAB
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	***	***	***	***	Req. Mon. 30DA AVG	.5 DAILY MX	mL/L		Monthly	GRAB
Iron, total recoverable	SAMPLE	**********	****	****	*****	73.30	90.00	ng/L	0	3/91	GRAB
00980 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	*****	1000 30DA AVG	Req. Mon. DAILY MX	ug/L		Monthly	GRAB
Selenium, potentially dissolvd	SAMPLE	****	****	****	*****	1.63	1.90	NG/L	0	3/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Monthly	GRAB
Oil and grease	SAMPLE	天安水市市	*****	****	****	*****	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	0.15	0.19	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	****	古原顺水甘蔗	****	*****	1780.00	2010.00	MG/L	0	3/91	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	***	****	Req. Mon. QRTR AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB

	My C	Got KIRA	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	AUTHORIZED AGENT	
	CER centify under penalty of law that this document and all attachments were prepared under my direction or requestions to the control of the	evaluate the information submittee, based on his inquiry on the person or persons who manage the system, or those persons discuss responsible for galabering the information, the information submitteed is, to the host of much broaddars and holder true incomments and mornalise I am sucree that these are alreading to	penalies for submitting false information, including the possibility of fine and imprisonment for knowing violations.		
AN EXPLANATION OF PROPERTY AND AN ART OF THE PROPERTY AND ART OF THE PROPERTY	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	- 0	Tatrich Sollars, GM	TYPED OR PRINTED	

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 BURDENIN 1.A.3. OIL & GREASE - SEE 1.B.1.X. TDS MONITORING - 1.B.2.

7/25/17

870779 NUMBER

DATE

TELEPHONE

MM/DD/YYYY

AREA Code O O

DDRESS (Include Facility Name/Location if Different) PERMITTEE NA

Seneca Coal Co LLC NAME:

PO Box 670 ADDRESS:

SENECA MINE COMPLEX Hayden, CO 81639-0670

LOCATION: 37766 RCR 53 FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE:

OMB No. 2040-0004

81639 MAJOR

DSCHG TO TRIB/HUBBERSON GULCH External Outfall

No Discharge

		QUAN	QUANTITY OR LOADING	9	ď	QUALITY OR CONCENTRATION	SENTRATION		NO.	NO. FREQUENCY SAMPLE	SAMPLE
PARAMETER	1	VALUE	VALUE	UNITS	VALUE	VALUE	ALUE	UNITS	ă	OF ANALYSIS	TYPE
Oil and grease visual	SAMPLE MEASUREMENT	***	0	0	****	***	为原外外所谓	***	0	3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT	****	Req. Mon. INST MAX	Y=1;N=0	****	***	* * * * * * * * * * * * * * * * * * *	*****		Monthly	VISUAL

	NAME/TITLE PRINCIPAL EXECUTIVE OFFI	NAME/ITILE PRINCIPAL EXECUTIVE OFFICER [superition in accordance with a sweam designed to accumulate or proposed under midrection or superition or superitio	
_1		evaluate the information submitted. Based on my inquiry of the person or persons who manage the	7 /)
	- 1	system, or those persons directly responsible for gathering the information, the information submitted is,	3
		to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant	
	21、 とびで入 とこだに	penalties for submitting false information, including the possibility of fine and imprisonment for knowing	SIGNATURE OF PRIN
_	いくつかり	Violations.	AIIT

978702719 NUMBER AREA Code SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

MM/DD/YYYY

DATE

TELEPHONE

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

TYPED OR PRINTED

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 BURDENIN I.A.3. OIL & GREASE - SEE I.B.1.X. TDS MONITORING - I.B.2.

OMB No. 2040-0004

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

Seneca Coal Co LLC NAME

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

Effluent Gross

00400 10

Effluent Gross

00545 1 0

Effluent Gross

0098010

Effluent Gross Oil and grease

01323 1 0

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

DMR Mailing ZIP CODE:

81639

DISCHARGE TO HUBBERSON GULCH External Outfall No Discharge

SAMPLE TYPE INSTAN INSITU INSTAN GRAB INSITU GRAB GRAB GRAB GRAB GRAB GRAB ₹ FREQUENCY OF ANALYSIS Contingent Monthly Monthly Monthly Monthly Monthly 3/91 3/91 3/91 3/91 3/91 Š 일집 0 0 0 0 0 0 UNITS mL/L mg/L ***** NG/L ng/L⊓ ML/L ng/L SU NG/L ΔZ S MAXIMUM .5 DAILY MX Req. Mon. DAILY MX Req. Mon. DAILY MX INST MAX QUALITY OR CONCENTRATION VALUE 400.00 <0.40 8.70 1.30 $\stackrel{\forall}{\mathbb{Z}}$ Req. Mon. 30DA AVG Req. Mon. 30DA AVG 30DA AVG VALUE 1000 ***** ***** ***** 250.00 <0.40 1.00 MINIMUM VALUE ***** **** ***** ***** ***** **** **** ***** ***** ***** 8.30 UNITS ***** ***** ***** MGD ***** **** ***** ***** ***** ***** MGD QUANTITY OR LOADING Req. Mon. DAILY MX VALUE ***** ***** ***** ***** ***** ***** ***** **** ***** ***** 0.29 Req. Mon. 30DA AVG VALUE ***** ***** ***** ***** ***** ***** ***** ***** ***** 0.21 PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT -low, in conduit or thru treatment Selenium, potentially dissolvd PARAMETER ron, total recoverable Solids, settleable 03582 1 0 Effluent Gross

TELEPHONE	97087027
J. 111.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER certify under penalty of law that this document and all attachments were prepared under my direction or supports of supports of supports of supports of the support of parts on the support of parts on the person of persons who manage thet and included the person of persons who manage thet and	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 compliste, I am aware that there are significant, to the best of submitting false information, including the possibility of fine and imprisorment for knowing violations.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Patrick Sollars GM TYPED OR PRINTED

F)|22/F MM/DD/YYYY

719

BER

DATE

GRAB

Quarterly

mg/L

Req. Mon. DAILY MX

Req. Mon. QRTR AVG

PERMIT REQUIREMENT

70295 1 0 Effluent Gross

SAMPLE MEASUREMENT

Solids, total dissolved

Effluent Gross

50050 10

plant

GRAB

3/91

0

MG/L

702.00

00.909

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 1.A.3.01L & GREASE - SEE 1.B.1.X. TDS MONITORING - 1.B.2.

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

Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX **LOCATION: 37766 RCR 53** FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE: MAJOR

OMB No. 2040-0004

81639

DISCHARGE TO HUBBERSON GULCH External Outfall No Discharge

		QUAN	QUANTITY OR LOADING	<u>១</u>	Ø	QUALITY OR CONCENTRATION	CENTRATION		O	NO. FREQUENCY SAMPLE	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	М	OF ANALYSIS	TYPE
Oil and grease visual	SAMPLE	在大坑安全者	0	0	****	****	*****	***	0	3/91	VISUAL
84066 1 0 Effluent Gross	PERMIT REQUIREMENT	****	Req. Mon. INST MAX	Y=1;N=0	****	*****	****	*****		Monthly VISUAL	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 property gather and evaluate the information submitted. Based on my inquity the person or persons who manage the system; those persons directly responsible for glathering the information, the information submitted is, to the bast of my knowledge and belief, fure, accurate, and compiler. I am aware that there are significant penalties for submitting faise information, including the possibility of fine and imprisonment for knowing yobidinors. ZY ZY

> Sollars TYPED OR PRINTED

Patrick

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

970-870274 NUMBER AREA Code

7/25/17

TELEPHONE

ММ/ОО/YYY

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 1.A.3.0IL & GREASE - SEE I.B.1.X. TDS MONITORING - 1.B.2.

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

Seneca Coal Co LLC VAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX LOCATION: 37766 RCR 53 FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MIM/DD/YYYY 06/30/2017 MONITORING PERIOD MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

81639

OMB No. 2040-0004

No Discharge DISCHARGE TO GRASSY CREEK ROUT External Outfall PERMIT NUMBER

SAMPLE TYPE GRAB FREQUENCY OF ANALYSIS Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly 1/91 1/91 1/91 1/91 1/91 1/91 1/91 ᅙ 0 0 0 0 0 O 0 UNITS ng/F ۳/gn 1/9n ٦/gn Ę, g/L ug/L 1/9n g/ L 7/9n UG/L NG/L UG/L NG/L Req. Mon. DAILY MX QUALITY OR CONCENTRATION VALUE <10.00 <0.10 <8.00 <0.05 <0.50 < 0.10 3.30 Req. Mon. 30DA AVG VALUE <10.00 < 0.10 <0.10 <8.00 <0.50 <0.05 3.30 VALUE ***** ***** ***** ***** ***** **** ***** ***** ***** **** ***** ***** ***** **** UNITS ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** **** ***** QUANTITY OR LOADING VALUE ***** ***** ***** ***** ***** ***** **** ***** ***** **** ***** ***** ***** **** VALUE ***** ***** **** ***** ***** ***** ***** **** ***** **** ***** ***** ***** PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT Shromium, trivalent, potentially Cadmium, potentially dissolvd Copper, potentially dissolved Silver, potentially dissolved Vickel, potentially dissolvd PARAMETER Zinc, potentially dissolved ead, potentially dissolvd 01304 1 0 Effluent Gross 01318 1 0 Effluent Gross 01322 1 0 Effluent Gross Effluent Gross Effluent Gross Effluent Gross Effluent Gross 01306 1 0 01303 1 0 01313 1 0 01314 1 0 dissolvd

	Col plani-	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	ATTHORIZED AGENT	
ER I cartify 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 intelligent and intelligent pathers and anothers has informating exterminated assert on my intelligent of the person or persons who manage the	system, or those persons directly responsible for gathering the information, the information submitted is,	to the trait of the wild reduce and being, that, and complete, and complete and imprisonment for knowing penalties for submitting false information, including the possibility of fine and imprisonment for knowing	violations,	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		1/5 \JE/16\ \Zinto\	10 10 00 00 10 10 10 10 10 10 10 10 10 1	TYPED OR PRINTED

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.

04/20/2015

Page 1

7/22/t MM/DD/YYYY

970870 2719

NUMBER

AREA Code

DATE

TELEPHONE

PERMITTEE NAI, DDRESS (Include Facility Name/Location if Different) Seneca Coal Co LLC NAME:

Hayden, CO 81639-0670 PO Box 670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53 HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 MN1-1 MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 04/01/2017 CO0000221

DMR Mailing ZIP CODE:

MAJOR

¥1639

DISCHARGE TO GRASSY CREEK ROUTT External Outfall No Discharge

		QUAN	QUANTITY OR LOADING	9	0	QUALITY OR CONCENTRATION	CENTRATION		Ö.	FREQUENCY	SAMPLE
PARAMETER	1	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	X		TYPE
Selenium, potentially dissolvd	SAMPLE MEASUREMENT	***	米斯原米斯安	***	***	0.40	0.40	NG/L	0	1/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	****	***	****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Mercury, total [as Hg]	SAMPLE MEASUREMENT	***	****	****	在城市的市	0.0006	9000'0	ne/r	0	1/91	GRAB
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB

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

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

7/25/17

978201849

FICER OR

TELEPHONE

MM/DD/YYYY

NUMBER

PERMITTEE N/ 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

OMB No. 2040-0004

MAJOR

ROUTT
DISCHARGE TO SAGE CREEK
External Outfall

No Discharge

		QUAN	QUANTITY OR LOADING	9	9	QUALITY OR CONCENTRATION	CENTRATION		Š	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	SLINO	VALUE	VALUE	VALUE	UNITS	Ж	OF ANALYSIS	TYPE
Arsenic, total recoverable	SAMPLE	****	*****	****	***						
	MEASUREMENT					06.0	06.0	UG/L	0	1/91	GRAB
00978 1 0 Effuent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Iron, total recoverable	SAMPLE MEASUREMENT	克雷女女女女女	***	***	****	200:00	300.00	NG/L	0	2/91	GRAB
00980 1 0 Effuent Gross	PERMIT REQUIREMENT	***	**	*****	****	Req. Mon. 30DA AVG	Reg. Mon. DAILY MX	ng/L		Quarterly	GRAB
Zinc, potentially dissolved	SAMPLE MEASUREMENT	化妆妆女女女	电气化学录表	****	安安长发展	20.00	20.00	UG/L	0	1/91	GRAB
01303 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Silver, potentially dissolved	SAMPLE MEASUREMENT	*****	****	*****	*****	<0.05	<0.05	UG/L	0	1/91	GRAB
01304 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	****	***	**	****	1.30	1.30	UG/L	0	1/91	GRAB
01306 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	*****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Cadmium, potentially dissolvd	SAMPLE MEASUREMENT	****	****	*****	***	<0.10	<0.10	UG/L	0	1/91	GRAB
01313 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	*****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Chromium, trivalent, potentially dissolvd	SAMPLE MEASUREMENT	****	****	*****	*****	<0.50	<0.50	UG/L	0	1/91	GRAB
01314 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	***	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Learling under penalty of law that this document and all attachments were propared under my direction or supervision that equality epresented property gallers and authority and the person of property gallers and positive such activities the information and the person of person or persons who manages the	system, or those persons describe for gathering the information, the information sobritited is, for the set of my knowledge and belief, frue, 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.	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Pakrick Sollars, GM	

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

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

Page 1

7/25/17

279

9790870

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE

TELEPHONE

DDRESS (Include Facility Name/Location if Different) PERMITTEE NA.

Seneca Coal Co LLC NAME:

PO Box 670 ADDRESS:

Hayden, CO 81639-0670

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53 HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DMR Mailing ZIP CODE:

MN1-3

OMB No. 2040-0004

81639

MAJOR

DISCHARGE TO SAGE CREEK ROUTT

External Outfall

No Discharge

		QUAN	QUANTITY OR LOADING	9	כ	QUALITY OR CONCENTRATION	SENTRATION			FREQUENCY	ŝ
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	SLINO	<u>—</u>	OF ANALYSIS	TYPE
Lead, potentially dissolvd	SAMPLE MEASUREMENT	***	本女大孩女女	****	*****	0.40	0.40	1/9N	0	1/91	GRAB
01318 1 0 Effluent Gross	PERMIT REQUIREMENT	****	****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Manganese, potentially dissolvd	SAMPLE MEASUREMENT	****	****	****	*****	48.00	48.00	UG/L	0	1/91	GRAB
01319 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Nickel, potentially dissolvd	SAMPLE MEASUREMENT	**	****	*****	*****	<8.00	<8.00	UG/L	0	1/91	GRAB
01322 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Selenium, potentially dissolvd	SAMPLE MEASUREMENT	***	****	****	*****	18.30	18.30	UG/L	0	1/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	***	*****	*****	女者教术教女	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Mercury, total [as Hg]	SAMPLE MEASUREMENT	***	***	*****	*****	0.0017	0.0017	UG/L	0	1/91	GRAB
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	***	女子家女女女	*****	***	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

	Cot Man	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	AUTHORIZED AGENT
ER Contify under penalty of law that this document and all attackments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and supervision in accordance with a personnel property gather and supervision in accordance with a personnel property gather and supervision in accordance with manager that are supervised to the personnel property gather and supervised to the personnel personn	regalizate me intornation administration. Description of the possion or proson of prosons of pr	to the bear of his Arbaneuge and benet, river, accurate, and complete. I am aware that mere are arguments penallies for submitting false information, including the possibility of fine and imprisonment for knowing.	yriol arions.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	\(\frac{1}{2}\)	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	TYPED OR PRINTED

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.

04/20/2015

MM/DD/YYYY

NUMBER

9708702719 AREA CODE NUMBER

DATE

TELEPHONE

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

Seneca Coal Co LLC NAME:

PO Box 670 ADDRESS:

Hayden, CO 81639-0670

SENECA MINE COMPLEX **LOCATION: 37766 RCR 53** FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MM/DD/YYYY 06/30/2017 MN0-5 MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY CO0000221 04/01/2017

DMR Mailing ZIP CODE:

81639

DSCHG TO TRIB/DRY CREEK External Outfall MAJOR

No Discharge

		QUAN	QUANTITY OR LOADING	G	0	QUALITY OR CONCENTRATION	CENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		VALUE	VALUE	UNITS	AALUE	VALUE	VALUE	UNITS	Ä	OF ANALYSIS	TYPE
Zinc, potentially dissolved	SAMPLE	***	****	*****	****						
	MEASUREMENT					<20.00	<20.00	UG/L	0	1/91	GRAB
01303 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Silver, potentially dissolved	SAMPLE MEASUREMENT	****	*****	***	*****	<0.10	<0.10	1/9N	0	1/91	GRAB
01304 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	T/6n		Quarterly	GRAB
Copper, potentially dissolved	SAMPLE MEASUREMENT	****	*****	***	****	<1.00	<1.00	T/9n	0	1/91	GRAB
01306 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****	*****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Cadmium, potentially dissolvd	SAMPLE MEASUREMENT	*****	*****	****	****	<0.20	<0.20	UG/L	0	1/91	GRAB
01313 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Chromium, trivalent, potentially dissolvd	SAMPLE MEASUREMENT	****	*******	***	****	<1.00	<1.00	T/9N	0	1/91	GRAB
01314 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	7/6n		Quarterly	GRAB
Lead, potentially dissolvd	SAMPLE MEASUREMENT	****	安全有成本水	****	*****	8.30	8.30	ne/r	0	1/91	GRAB
01318 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB
Nickel, potentially dissolvd	SAMPLE MEASUREMENT	*****	*****	****	*****	<20.00	<20.00	1/9n	0	1/91	GRAB
01322 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****	***	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Icertify under panalty of law that this document and all atlanchments were prepared under my direction or supervision in accordance with a system designed to assured personnel property gather and consistent to the property of the prepared or property or the property of the prepared or property or the propert
Patrick Sollars, GIM	system, or the present and a firstly responsible for gathering the information, the information submitted is, to the best of my knowledge and beller, true, accurate, and complete, I am aware that there are significant—pearlier for submitting falso information, including the possibility of fine and imprisonment for knowing wightness.
TYPED OR PRINTED	

976 B 2719 AREA Code

7/25/17 MM/DD/YYYY

NUMBER

DATE

TELEPHONE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

81639

PERMITTEE NA. DDRESS (Include Facility Name/Location if Different)

Seneca Coal Co LLC NAME:

PO Box 670 Hayden, CO 81639-0670 ADDRESS:

SENECA MINE COMPLEX FACILITY:

LOCATION: 37766 RCR 53 HAYDEN, CO 81639

ATTN; Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER MONITORING PERIOD PERMIT NUMBER CO0000221

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

ROUTT DMR Mailing ZIP CODE: MAJOR

External Outfall

No Discharge DSCHG TO TRIB/DRY CREEK

						MOO GO VIII 1411	MOLT A CITIZED		9		T ICA SADI
		QUAN	QUANTITY OR LOADING	פי	, י	QUALITY OR CONCENTRATION	CENIKALION		į	PREGUENCT SAMIPLE	SAMPLE
PARAMETER		VALUE	VALUE	SLINO	VALUE	VALUE	VALUE	UNITS	EX	OF ANALTSIS	TYPE
Selenium, potentially dissolvd	SAMPLE MEASUREMENT	***	长衣演奏者與	***	谷子教祭被衣	09:0	09:0	7/9n	0	1/91	GRAB
01323 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	****	***	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Mercury, total [as Hg]	SAMPLE MEASUREMENT	***	****	***	****	0.0014	0.0014	NG/L	0	1/91	GRAB
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	***	****	****	****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	ng/L		Quarterly	GRAB

TELEPHONE	ţ) 2.Hd	AREA Code NUMBER
TELEF		14884	AREA Code
J. Mind	Cal James	SIGNATI	AUTHORIZED AGENT
To 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 personne property gather and experted supports and 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 better, the, accurate, and complete, i an aware that the are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing	Wildium S.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Learly under penalty of law that this sometime that incomplete the penalty of the pen		Katrick Sollars, GM	TYPED OR PRINTED

7/25/17 MM/DD/YYYY

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

DDRESS (Include Facility Name/Location if Different) PERMITTEE NAK

Seneca Coal Co LLC

PO Box 670 ADDRESS:

Hayden, CO 81639-0670

SENECA MINE COMPLEX **LOCATION: 37766 RCR 53** FACILITY:

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

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

DIMR Mailing ZIP CODE:

81639

.. OMB No. 2040-0004

MAJOR

No Discharge [CHRONIC WET TESTING FOR 008A External Outfall

		QUAN	QUANTITY OR LOADING	6	a	QUALITY OR CONCENTRATION	CENTRATION			FREQUENCY	SAMPLE
PARAMETER		VALUE	AALUE	UNITS	VALUE	VALUE	VALUE	UNITS	<u></u>	OF ANALYSIS	TYPE
Toxicity [chronic], Ceriodaphnía	SAMPLE	****	****	****		****	***				
dubia	MEASUREMENT				>100				0	1/365	GRAB
61426 P 0 See Comments	PERMIT REQUIREMENT	*****	*****	****	Req. Mon. SINGSAMP	****	****	tox chronic		Annual	GRAB
Toxicity [chronic], Ceriodaphnia dubia	SAMPLE MEASUREMENT	***	*****	****	>100	*****	***		0	1/365	GRAR
61426 S 0 See Comments	PERMIT REQUIREMENT	*****	****	*****	Req. Mon. SINGSAMP	*****	****	tox chronic		Annual	GRAB
Toxicity [chronic], Pimephales	SAMPLE	*****	****	*****		****	****				
promelas [Fathead Minnow]	MEASUREMENT				>100				···	1/365	GRAB
61428 P 0 See Comments	PERMIT REQUIREMENT	****	*********	*****	Reg. Mon. SINGSAMP	**	****	tox chronic		Annual	GRAB
Toxicity Chronic! Pimephales	SAMPLE	*****	****	*****		*****	***				
promelas [Fathead Minnow]	MEASUREMENT				>100				0	1/365	GRAB
61428 S 0	PERMIT	****	****	*****	Req. Mon.	*****	*****	tox chronic		Annual	GRAB
See Comments	REQUIREMENT				SINGSAMP				-		
%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	SAMPLE MEASUREMENT	****	****	*****	>100	*****	****	%	0	1/365	GRAB
TCP3B P 0 See Comments	PERMIT REQUIREMENT	***	***	***	Req. Mon. SINGSAMP	*****	****	%		Annual	GRAB
%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	SAMPLE	****	****	****	>100	*****	每天去处书长	%	0	1/365	GRAB
TCP3B S 0 See Comments	PERMIT REQUIREMENT	***	****	*****	Req. Mon. MN VALUE	*****	*****	%		Annual	GRAB
%Effect Statre 7Day Chronic Pimephales	SAMPLE MEASUREMENT	****	*****	****	>100	****	*****	%	0	1/365	GRAB
TCP6C P 0 See Comments	PERMIT REQUIREMENT	**	**	**	Req. Mon. SINGSAMP	*****	*****	%		Annual	GRAB

1111	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
rectify under penalty of faw that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel groberty affiner and	evaluate the information submitted. Based on my inquiry of the person or persons who manage the specim or those persons directly responsible for gathering the information submitted its to the best of my strowledge and befile, I ma, 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.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Patrick Schass, Gran

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

RPT RESLUTS 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.

F1125/F

978702719

DATE

TELEPHONE

MM/DD/YYYY

NUMBER

AREA Code

81639

.JDRESS (Include Facility Name/Location if Different) PERMITTEE NAI

Seneca Coal Co LLC NAME:

PO Box 670 ADDRESS:

SENECA MINE COMPLEX Hayden, CO 81639-0670 FACILITY:

LOCATION: 37766 RCR 53

HAYDEN, CO 81639

ATTN: Scott Cowman/Sr Env Specialist

DISCHARGE NUMBER YYYYY 12/31/2017 MONITORING PERIOD PERMIT NUMBER MM/DD/YYYY 01/01/2017 CO0000221

DMR Mailing ZIP CODE: MAJOR

CHRONIC WET TESTING FOR 008A

No Discharge External Outfall

		QUAN	QUANTITY OR LOADING	9	Ö	QUALITY OR CONCENTRATION	CENTRATION		ON	NO. FREQUENCY SAMPLE	SAMPLE
PARAMETER	<u></u>	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	Ä	OF ANALYSIS	TYPE
%Effect Statre 7Day Chronic	SAMPLE	*****	****	*****		****	*****				
Pimephales	MEASUREMENT				>100			%	0	1/365	GRAB
TCP6C S 0	PERMIT	*****	*****	*****	Req. Mon.	*****	*****	%		Annual	GRAB
See Comments	REQUIREMENT				MN VALUE						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER configuration in a parameter and all attach configuration in a parameter and all attach configuration in a parameter and a parame	Figure 1 configurate penalty of law that this document and all attachments were prepared under my direction or separed software prepared under my direction or separed software the prepared to assure that qualified personnel property gather and software the property gather and software in the property of the prepared to the prepared		TELEPHONE	DATE
	evaluation of those persons directly responsible of the forgathering the information, the information submitted is, then then been defined to another the forgathering the information, the formation of the forgathering the information of the forgathering the forest than these are environmentally the information of the forest than these are environmentally the information of the forest than these are environmentally the information of the forest than the forest the forest than the forest tha	Cot Suan		1 - 1
CATICS SOLARS, GM	to the best of the knowledge and other, her, accurate, and compare: I am aware that her significant parties for submitting false information, including the possibility of fine and imprisonment for knowing apparatuses.	/E OFFICER OR	1470-870-1219 7125117	1/1/25 11/F
TYPED OR PRINTED	Violence I. S.	AUTHORIZED AGENT	AREA Code NUMBER	MM/DD/YYYY

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

RPT RESLUTS 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.