

July 19, 2023

Robin Reilley Colorado Division of Reclamation, Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203

RE: Seneca Yoast Mine, Permit C-94-082, Second Quarter 2023 IIR

CDRMS-

In accordance with Rule 4.05.9(17), please find enclosed the Seneca Yoast Mine (SYM) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL). Please contact me with any comments and/or questions.

Best regards,

Miranda Kawcak

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Enclosure: SYM 2Q23 IIR

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross-\	Valley Pond			
Date Inspected	6/26/2023	Date Las	t Inspected	3/2	21/2023			
Impoundment	Pond #010	Pond I	Location	NW¼ NE¼, Sec. 8, T5N, R87W Qual		Qua	rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 010	Site L	ocation	8.5 mi SE	of Hayden, CO	_		
Owner's Rep	Miranda Kawcak	Insp	oector	Jaso	n Herden			
		•	Mark o		Appropriate 1	Response:		
	FEATURE				BLEM		COMMENTS	
			YES (At	ove)	NO (Bel	ow)		
GENERAL								
`	or below principal spillway)	_	Х				0.1 FT	
Existing Embankment	Freeboard (10.1 ft)		X				10.0 FT	
Outflow (gpm)			X				1.1 GPM	
EROSION								
Rills & Gullies on Emb	bankment				Х			
Wave Erosion					X			
Spillway Erosion		_			Х			
Burrows				X				
Other					Х			
STRUCTURAL								
Differential Settling		-			X			
Cracks or Slides		_			X			
Seepage		_			X			
Other STRUCTURES								
Principal Spillway Clogged Orifice					Х			
Clogged or Damage	ed Culvert	-			X			
Damaged Headgate		-			NA			
Emergency Spillway					IVA			
Erosion Erosion					Х			
Riprap		-			X			
Clogged or Damaged Culvert				X				
Other					X			
MAINTENACE								
Maintenance Required					Х			
Maintenance Performe		j			Х			
Additional Comments		Ī	Х				OUTLET RUSTED BUT REMAINS FUNCTIONAL	

Mining Area	Yoast Mine(Seneca Coal Co)		y Configuration		Cross-Vally Pond				
Date Inspected	6/26/2023	Date Las	st Inspected	3/	/21/2023				
Impoundment	Pond #011	Pond 1	Location	NW¼ SW¼, Sec. 16, T5N, R87W		Qua	rterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P.011	Site I	ocation	8.5 mi SE	ii SE of Hayden, CO				
Owner's Rep	Miranda Kawcak	Insj	pector	Jaso	on Herden				
			Mark o		n Appropriate F	esponse:			
	FEATURE				BLEM		COMMENTS		
			YES (At	oove)	NO (Belo	w)			
GENERAL									
,	or below principal spillway)			Х		0.9 FT		
Existing Embankment	Freeboard (5.1 ft)	-	Х				6.0 FT		
Outflow (gpm)					Х		0 GPM		
EROSION									
Rills & Gullies on Em	bankment	-			Х				
Wave Erosion					Х				
Spillway Erosion		-			X		<u> </u>		
Burrows		-			X				
Other			X						
STRUCTURAL		ı							
Differential Settling		-			X				
Cracks or Slides		-			X		1		
Seepage Other		-			X		1		
STRUCTURES					X				
Principal Spillway									
Clogged Orifice					Х				
Clogged or Damage	ed Culvert				X		 		
Damaged Headgate					NA NA		 		
Emergency Spillway	'				IVA				
Erosion					Х				
Riprap					X		†		
* *	Clogged or Damaged Culvert			X		†			
Other		f			X		†		
MAINTENACE									
Maintenance Required					Х				
Maintenance Performe	ed	Ţ			Х		<u> </u>		
Additional Comments					Х				

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	Cross-Vally Pond				
Date Inspected	6/29/2023	Date Las	st Inspected	3/	/21/2023				
Impoundment	Pond #011A	Pond	Location	SW¼ NW¼,	Sec. 16, T5N, R87W	Qua	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site I	Location	8.5 mi SE of Hayden, CO		• •			
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden				
			Mark		n Appropriate F	Response:			
	FEATURE				BLEM		COMMENTS		
			YES (At	oove)	NO (Belo	w)			
GENERAL									
	or below principal spillway)			Х		1.5 FT		
Existing Embankment	Freeboard (4.6 ft)		X				6.1 FT		
Outflow (gpm)					X		0 GPM		
EROSION					1				
Rills & Gullies on Emb	oankment				Х				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows					X				
Other					Х				
STRUCTURAL					T				
Differential Settling					Х				
Cracks or Slides					X				
Seepage					X				
Other					Х				
STRUCTURES									
Principal Spillway					I v		T		
Clogged Orifice	.d Culcumt				X				
Clogged or Damage Damaged Headgate					NA NA				
Emergency Spillway					I NA				
Erosion					х				
Riprap					X		-		
Clogged or Damage	d Culvert				X				
Other	u Curvett				X				
MAINTENACE									
Maintenance Required					Х				
Maintenance Performe					X				
Additional Comments	=				X				
L	go = 2.1 foot holow top of n				<u> </u>		<u>I</u>		

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	S-Vally Pond				
Date Inspected	6/26/2023	Date Las	st Inspected	3/	21/2023				
Impoundment	Pond #012	Pond			Sec. 19, T5N, R87W	Qua	arterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 012	Site I			8.5 mi SE of Hayden, CO				
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden				
			Mark	or Write i	n Appropriate F	Response:			
	FEATURE				BLEM		COMMENTS		
			YES (At	oove)	NO (Belo	w)			
GENERAL									
	or below principal spillway))	Х				0.1 FT		
Existing Embankment	Freeboard (9.0 ft)		X				8.9 FT		
Outflow (gpm)			Х				106 GPM		
EROSION									
Rills & Gullies on Emb	pankment				Х				
Wave Erosion					Х				
Spillway Erosion					X				
Burrows					X				
Other					Х				
STRUCTURAL			T						
Differential Settling					X				
Cracks or Slides					X				
Seepage					X				
Other			X						
STRUCTURES									
Principal Spillway									
Clogged Orifice	1.0-1				X				
Clogged or Damage Damaged Headgate					NA NA				
					NA				
Emergency Spillway Erosion					Х				
Riprap					X		1		
* *	Clogged or Damaged Culvert			X		1			
Other	ı Curvett				X		1		
MAINTENACE									
Maintenance Required					Х				
Maintenance Performe	d				X		1		
Additional Comments					X		1		
- Indicional Committee									

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	uratio Cross-Vally Pond					
Date Inspected	6/29/2023	Date Last	Inspected	d 3/21/2023					
Impoundment	Pond #012A	Pond L	ocation	NE¼ NW¾,Sec. 19, T5N, R87W		Quai	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Lo	ocation				J P I I I I I I I I I I I I I I I I I I		
Owner's Rep	Miranda Kawcak	Insp	ector	Jasoi	n Herden				
			Mark	or Write	in Appropriate	Respons	e:		
	FEATURE			PRO	OBLEM		COMMENTS		
			YES (Above)	NO (Belo	ow)			
GENERAL									
	or below principal spillway)			X		1.0 FT		
Existing Embankment	Freeboard (4.6 ft)		2	X			5.6 FT		
Outflow (gpm)					Х		0 GPM		
EROSION				-					
Rills & Gullies on Emb	oankment				X				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows				X					
Other				X					
STRUCTURAL				ı					
Differential Settling					X				
Cracks or Slides					Х				
Seepage					Х				
Other					X				
STRUCTURES									
Principal Spillway				1					
Clogged Orifice					X				
Clogged or Damage					Х				
Damaged Headgate					NA				
Emergency Spillway									
Erosion					Х				
	Riprap				Х				
Clogged or Damaged Culvert			Х						
Other					Х				
MAINTENACE				- 1					
Maintenance Required					X				
Maintenance Performe	d				X				
Additional Comments					Х				

Mining Area			Configuration		-Vally Pond		
Date Inspected	6/26/2023		st Inspected	3/2	21/2023	•	
Impoundment	Pond #013		Location SE¼ NW¼, Sec. 19, T5N			Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 013		Location	8.5 mi SE	of Hayden, CO		
Owner's Rep	Miranda Kawcak	Ins	pector		on Herden		
			Mark o		n Appropriate l	Response:	
	FEATURE				BLEM		COMMENTS
			YES (At	ove)	NO (Belo	w)	
GENERAL							
,	or below principal spillway)				X		0.5 FT
Existing Embankment	Freeboard (4.0 ft)		X				4.5 FT
Outflow (gpm)					X		0 GPM
EROSION							
Rills & Gullies on Emb	oankment				X		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					X		
Other					X		
STRUCTURAL					1		
Differential Settling					X		
Cracks or Slides					Х		
Seepage					Х		
Other					X		
STRUCTURES							
Principal Spillway					1		
Clogged Orifice					Х		
Clogged or Damage					Х		
Damaged Headgate					NA		
Emergency Spillway					1		
Erosion					X		
Riprap					X		
Clogged or Damage	d Culvert				X		
Other					X		
MAINTENACE					1		
Maintenance Required					X		
Maintenance Performe	d				X		
Additional Comments					Х		

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross-Vally Pond			
Date Inspected	6/26/2023	Date Las	st Inspected	3/2	1/2023		
Impoundment	Pond #014	Pond	Location	NE¼ SW¼, Se	5 mi SE of Hayden, CO		rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 014	Site I	Location	8.5 mi SE			
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden			
		•	Mark o		Appropriate F	Response:	
	FEATURE				BLEM		COMMENTS
			YES (At	oove)	NO (Bel	ow)	
GENERAL							
	or below principal spillway)				Х		0.8 FT
Existing Embankment	Freeboard (6.8 ft)		X				7.6 FT
Outflow (gpm)					Х		0 GPM
EROSION							
Rills & Gullies on Emb	oankment				Х		
Wave Erosion					Х		
Spillway Erosion		-			X		
Burrows		-			X		
Other STRUCTURAL					Х		
Differential Settling					Х		
Cracks or Slides		F			X		
Seepage				X			
Other					X		
STRUCTURES		·			^		
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damage	d Culvert				Х		
Damaged Headgate					NA		
Emergency Spillway							
Erosion					Х		
Riprap				Х			
Clogged or Damaged Culvert			Х				
Other					Х		
MAINTENACE							
Maintenance Required		ļ			X		
Maintenance Performe	d	<u> </u>			X		
Additional Comments					X		

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2021-095 (PSCM), 2021-096 (SCC)

FLOW DA	ŢΑ						
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-21-37	он	210.8	Some neteroping underflue	¥
003	Sage Creek	Sage Creek	6-26-23	0.1	7.8	Some animal busions	N
004	Sage Creek	Sage Creek	4-36-27	0.1	69.1		N
Lower Sump	Sage Creek	Sage Creek	6-27-27	0.1	88.7		N
PECOCO	Sage Creek	Sage Creek	6-28-2	0,[93.6		N
Portal Sump 1	Sage Creek	Sage Creek	6-29-23	_		NO Flow	\sim
Portal Sump 2	Sage Creek	Sage Creek	(3-75-4)	0.1	-	Not Pamping	N
Spill Control 2	Sage Creek	Sage Creek	6-54-53	0.3		NO HOW	N
Truck Wash	Sage Creek	Sage Creek	6-29-23			Din	N
Upper Sump	Sage Creek	Sage Creek	6-29-3	0.1	96.3	3	N
001	Seneca	Hayden Gulch	6.27.23	~ 7,3		No Flow	N
002	Seneca	Hayden Gulch	6-21-23	- 2,8		NO Flow	N
005	Seneca	Seneca II West	6-26-33	-0.4	~	NO FLOW	N
006	Seneca	Seneca II West	6-26-2)	0.(86		W
009	Seneca	Seneca II West	6.26.23	-0,9		NO Flow	w
015	Seneca	Seneca II West	6-26.23	0,1	13.6		N
016	Seneca	Seneca II West	6.26.23	0.1	71.6		N
017	Seneca	Seneca II West	6-24.2	0,1	14.7		N
T-1	Seneca	Seneca II West	6-29-57			Dr5	N
T-18	Seneca	Seneca II West	4-27-27	- 7, 3		NoFlow	N
T-2	Seneca	Seneca II West	6-27-23			Din	N
T-20	Seneca	Seneca II West	6-29-2)	20,2		NO Flow	ν
T-22	Seneca	Seneca II West	4-29-23	-1.4	~	NO Ffor	N
T-24	Seneca	Seneca II West	6-52-53	~	_	0/9	N
T-25	Seneca	Seneca II West	6-29-23	_		Din	N
T-26	Seneca	Seneca II West	6-59-53	-1.9		No Flow	\mathcal{N}



SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	6-29-23	-2.5	-	No Flow No Flow cutlet instal, cat tails No Flow No Flow	N
T-3	Seneca	Seneca II West	6. 29-73	-2.7	~	Na flow	N
T-5	Seneca	Seneca II West	6.29.33	-30)	NO FI-W	N
010	Seneca	Yoast	6.26.23	0.1	1,1	cutlet instal, cet toils	Y
011	Seneca	Yoast	4-26-37	-0.9		No Flow	N
011A	Seneca	Yoast	6-29-23	-1,5	~	NO FIEW	N
012	Seneca	Yoast	6-26-23	0.1	106		N
012A	Seneca	Yoast	4-29-3	-1.0	~	NO FI-W	N
013	Seneca	Yoast	6-26-23			No Flow	N
014	Seneca	Yoast	6-26-33	-018		NO FION	N
ST-1	Seneca	Yoast	6-29-2)	-1.5		NO FION NO FION NO FION	N

FIELD PERSONNEL SIGNATURE:

FIELD PERSONNEL: 3 H	FIELD PERSONNEL SIGNATURE:	
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NOTES		1