

July 18, 2024

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 2024 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 2Q24 IIR

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross-\	Valley Pond				
Date Inspected	6/10/2024	Date Last Inspected		3/2	26/2024		Quarterly Impoundment Inspection Form		
Impoundment	Pond #010	Pond			Sec. 8, T5N, R87W	Qua			
NPDES ID No	CO-0000221 D.P. 010	Site I	Location	8.5 mi SE of Hayden, CO		_			
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden				
	Mark or Write in Appropriate Response:								
	FEATURE				BLEM		COMMENTS		
			YES (At	ove)	NO (Bel	ow)			
GENERAL									
	or below principal spillway)		X				0.05 FT		
Existing Embankment	Freeboard (10.1 ft)		X				10.05 FT		
Outflow (gpm)			X				8.2 GPM		
EROSION					ı				
Rills & Gullies on Emb	pankment				Х				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows				X					
Other					Х				
STRUCTURAL					1				
Differential Settling Cracks or Slides					X				
					X				
Seepage Other					X				
STRUCTURES					^				
Principal Spillway									
Clogged Orifice					Х				
Clogged or Damage	d Culvert				X				
Damaged Headgate					NA NA				
Emergency Spillway					I IVA				
Erosion					Х				
Riprap					X				
Clogged or Damaged Culvert			X						
Other					Х				
MAINTENACE									
Maintenance Required					Х				
Maintenance Performe	d				Х				
Additional Comments			X				OUTLET RUSTED.		

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration Cross		s-Vally Pond		
Date Inspected	6/11/2024	Date La	1		/27/2024		
Impoundment	Pond #011	Pond	Location	NW¼ SW¼,	Sec. 16, T5N, R87W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P.011	Site l	Location	eation 8.5 mi SE of Hayden		_	
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden		
			Mark		n Appropriate R	Response:	
	FEATURE				DBLEM		COMMENTS
			YES (Ab	ove)	NO (Belo	w)	
GENERAL							
	or below principal spillway	)			X		0.9 FT
Existing Embankment	Freeboard (5.1 ft)		X				6.0 FT
Outflow (gpm)					X		0 GPM
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					X		
Other					X		
STRUCTURAL					T		
Differential Settling					X		
Cracks or Slides					X		
Seepage					X		
Other					X		
STRUCTURES							
Principal Spillway							
Clogged Orifice	101				X		
Clogged or Damage Damaged Headgate					NA		-
Emergency Spillway	;				INA		
Erosion					Х		
Riprap					X		1
Clogged or Damage	d Culvert				X		1
Other	u Curvett				X		1
MAINTENACE							
Maintenance Required					Х		
Maintenance Performe					X		1
Additional Comments	· · ·				X		1
raartional Comments					^		

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C			Cross-Vally Pond					
Date Inspected	6/13/2024	Date Las	st Inspected	3/	27/2024					
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 or Write in Appropriate Response:									
	FEATURE				BLEM		COMMENTS			
			YES (At	oove)	NO (Belo	w)				
GENERAL										
	or below principal spillway	)			Х		1.4 FT			
Existing Embankment	Freeboard (4.6 ft)		X				6.0 FT			
Outflow (gpm)					Х		0 GPM			
EROSION					ı					
Rills & Gullies on Emb	oankment				Х					
Wave Erosion					Х					
Spillway Erosion					Х					
Burrows					Х					
Other					Х					
STRUCTURAL					I					
Differential Settling					Х					
Cracks or Slides					Х					
Seepage					Х					
Other					Х					
STRUCTURES										
Principal Spillway							T			
Clogged Orifice	101				X					
Clogged or Damage					X		-			
Damaged Headgate					NA					
Emergency Spillway Erosion					х					
1					X		-			
Riprap Clogged or Damaged Culvert				X		-				
	Other				X		1			
MAINTENACE										
Maintenance Required					Х					
Maintenance Performe					X		1			
Additional Comments	u				X		1			
<u> </u>	ro = 2.1 foot holow top of n				^					

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area			onfiguration		s-Vally Pond		
Date Inspected	6/10/2024		Pate Last Inspected		/26/2024	_	
Impoundment	Pond #012				NE¼ NW¼,Sec. 19, T5N, R87W		rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 012	Site I	Location	8.5 mi SE of Hayden, CO			• •
Owner's Rep	Miranda Kawcak	Ins	pector		on Herden		
			Mark		n Appropriate F	desponse:	
	FEATURE				OBLEM		COMMENTS
			YES (Ab	ove)	NO (Belo	w)	
GENERAL							
	or below principal spillway)	)	Х				0.1 FT
Existing Embankment	Freeboard (9.0 ft)		Х				8.9 FT
Outflow (gpm)			Х				107.6 GPM
EROSION							
Rills & Gullies on Emb	ankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other					Х		
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage					Х		
Other					X		
STRUCTURES							
Principal Spillway					I		
Clogged Orifice	101				X		
Clogged or Damage					X		
Damaged Headgate					NA		
Emergency Spillway Erosion					l v		
					X		
Riprap	1 Culment						
Clogged or Damageo	1 Curvert				X		
MAINTENACE					<u> </u>		
Maintenance Required					Х		
Maintenance Required	d.				X		1
Additional Comments	u				X		1
Additional Comments					^		

751.1		I		1 -			
Mining Area	Yoast Mine(Seneca Coal Co)	acility Configuratio			-Vally Pond		
Date Inspected	6/13/2024	Date Last		3/2	26/2024	_	
Impoundment	Pond #012A	-	ocation	NE¼ NW¼,S	NE¼ NW¼,Sec. 19, T5N, R87W		rterly Impoundment Inspection Form
NPDES ID No	N/A	Site L	ocation	8.5 mi SE	8.5 mi SE of Hayden, CO		
Owner's Rep	Miranda Kawcak	Insp	ector		n Herden		
			Mark		in Appropriate	e Respons	e:
	FEATURE				OBLEM		COMMENTS
			YES (	Above)	NO (Bele	ow)	
GENERAL							
Water Level (ft above	or below principal spillway	<sup>'</sup> )			X		1 FT
Existing Embankment	Freeboard (4.6 ft)			X			5.6 FT
Outflow (gpm)					Х		0 GPM
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other			X				
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage			Х				
Other			X				
STRUCTURES							
Principal Spillway			ı		1		
Clogged Orifice					Х		
Clogged or Damage					Х		
Damaged Headgate	;				NA		
Emergency Spillway			ı		1		
Erosion					Х		
Riprap				Х			
Clogged or Damaged Culvert			X				
Other					Х		
MAINTENACE			ı		ı		
Maintenance Required					Х		
Maintenance Performe					X		
Additional Comments			I		· ·		

Additional Comments

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration	Cross-	-Vally Pond					
Date Inspected	6/10/2024	Date Las	<u>.</u>		26/2024					
Impoundment	Pond #013	Pond	Location	. , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , ,		Qua	rterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P. 013	Site I	Location	eation 8.5 mi SE of Hayden, CO		_	- , ,			
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden					
			Mark o		Appropriate l	Response:				
	FEATURE				BLEM		COMMENTS			
			YES (At	oove)	NO (Belo	ow)				
GENERAL										
`	or below principal spillway)				Х		0.5			
Existing Embankment	Freeboard (4.0 ft)		Х				4.5 FT			
Outflow (gpm)					Х		0 GPM			
EROSION					1					
Rills & Gullies on Emb	oankment				Х					
Wave Erosion					Х					
Spillway Erosion					X					
Burrows					X					
Other					Х					
STRUCTURAL							T			
Differential Settling Cracks or Slides					X					
Seepage					X					
Other					X					
STRUCTURES										
Principal Spillway										
Clogged Orifice					Х					
Clogged or Damage	d Culvert				X					
Damaged Headgate					NA.					
Emergency Spillway							1			
Erosion					Х					
Riprap					Х					
Clogged or Damageo	d Culvert				Х					
Other					Х					
MAINTENACE										
Maintenance Required					Х					
Maintenance Performe	d				X					
Additional Comments					Х					

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration	Cross-	Vally Pond				
Date Inspected	6/10/2024	Date Last Inspected		3/2	6/2024				
Impoundment	Pond #014	Pond l			ec. 19, T5N, R87W	Qua	uarterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 014	Site L	Location 8.5 mi S		8.5 mi SE of Hayden, CO		- , ,		
Owner's Rep	Miranda Kawcak	Insp	oector	Jasor	n Herden				
		•	Mark o		Appropriate F	Response:			
	FEATURE				BLEM		COMMENTS		
			YES (At	oove)	NO (Bel	ow)			
GENERAL									
	or below principal spillway)				Х		0.9 FT		
Existing Embankment	Freeboard (6.8 ft)	_	X				7.7 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		-			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		1			
Clogged or Damaged Culvert				Х					
Other					Х				
MAINTENACE									
Maintenance Required	<u> </u>				Х				
Maintenance Performed	d				Х				
Additional Comments					X				

## **IMPOUNDMENT INSPECTION LOG**

**JOB DATA** 

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2023-086 (PSCM), 2023-087 (SCC)
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## **FLOW DATA**

SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-10-89	0.4	244,7	some water under flume	У
003	Sage Creek	Sage Creek	6-10-24	0.1	1,6	some animal business	N
Lower Sump	Sage Creek	Sage Creek	6-11-24	01	96,7		N
Pecoco	Sage Creek	Sage Creek	6-11-24	0.1	107.4		N
Portal Sump 1	Sage Creek	Sage Creek	6-11-24			No Flam	N
Portal Sump 2	Sage Creek	Sage Creek	le-11-24	0.1	~	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	6-11-24	_		no Klowi	N
Truck Wash	Sage Creek	Sage Creek	45-11-0	~_		DM	N
Upper Sump	Sage Creek	Sage Creek	6-11-24	0.1	104,4		$\sim$
006	Seneca	Seneca II West	6-16-24	oil	12497	sluff on Sisile, no issues	N
015	Seneca	Seneca II West	6-10-21	0.1	44.3		N
016	Seneca	Seneca II West	6-10-24	0.1	138.6		N
017	Seneca	Seneca II West		6.1	58,6		N
T-2	Seneca	Seneca II West	6-11-24		_	DIN	N
T-3	Seneca	Seneca II West	6-11-24	-2.B	_	no Flow	N
010	Seneca	Yoast	6-10-24	0.65	8.7	cutlet instal	¥
011	Seneca	Yoast	6-11-24	-0.9		NO Flow	N
011 <b>A</b>	Seneca	Yoast	6-13-24		~	NO Flow	$\sim$
012	Seneca	Yoast	6-10-24	l .	107.6		$\sim$
012A	Seneca	Yoast	6-13-24	-1.0	~	NO Flow	N
013	Seneca	Yoast	6-10-24		~	NO Flow No Flow	N
014	Seneca	Yoast	6-10-24	-0.9		No Flow	N

FIELD PERSONNEL: 1	FIELD PERSONNEL SIGNATURE: On 1	
NOTES		

