

December 4, 2024

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

RE: Seneca Yoast Mine, Permit C-1994-082, Fourth 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 4Q24 IIR

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross-	Valley Pond			
Date Inspected	11/12/2024	Date Las	st Inspected	9/12/2024				
Impoundment	Pond #010	Pond	Location	NW¼ NE¼, S	NW¼ NE¼, Sec. 8, T5N, R87W		arterly Impoundment Inspection Form	
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 o	r Write in	Appropriate l	Response:		
	FEATURE				BLEM		COMMENTS	
			YES (At	ove)	NO (Bel	ow)		
GENERAL								
,	or below principal spillway)		X				0.1 FT	
Existing Embankment Freeboard (10.1 ft)			X				10 FT	
Outflow (gpm)			X				2 GPM	
EROSION					ı			
Rills & Gullies on Emb	ankment				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	a current				NA NA			
Emergency Spillway					107			
Erosion					Х			
Riprap					X			
Clogged or Damageo	d Culvert				Х			
Other					Х			
MAINTENACE								
Maintenance Required					Х			
Maintenance Performe	d				Х			
Additional Comments			X				NEW OUTLET STRUCTURE INSTALLED.	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross	s-Vally Pond			
Date Inspected	10/16/2024	Date Last	t Inspected	9/	/12/2024			
Impoundment	Pond #011	Pond I	Location	NW¼ SW¼,	NW¼ SW¼, Sec. 16, T5N, R87W		rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P.011	Site L	ocation	8.5 mi SE of Hayden, CO			J 1	
Owner's Rep	Miranda Kawcak	Insp	Inspector		on Herden			
			Mark		n Appropriate F	Response:		
	FEATURE				DBLEM		COMMENTS	
		YES (Ab	ove)	NO (Belo	w)			
GENERAL								
	or below principal spillway)			Х		4.1 FT	
Existing Embankment	Freeboard (5.1 ft)		X				9.2 FT	
Outflow (gpm)					Х		0 GPM	
EROSION					1			
Rills & Gullies on Eml	bankment				Х			
Wave Erosion					X		<u> </u>	
Spillway Erosion		_			X		1	
Burrows		_			X		1	
Other					X			
STRUCTURAL Diff. 11 S. W.					1 ,			
Differential Settling Cracks or Slides		-			X X		1	
Seepage		_			X		1	
Other					X		 	
STRUCTURES								
Principal Spillway								
Clogged Orifice					Х			
Clogged or Damage	ed Culvert				Х			
Damaged Headgate					NA			
Emergency Spillway		· ·			•			
Erosion					Х			
Riprap					Х			
Clogged or Damage	d Culvert				Х			
Other					Х			
MAINTENACE								
Maintenance Required					X			
Maintenance Performe	ed				Х			
Additional Comments					Х			

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	s-Vally Pond				
Date Inspected	10/16/2024	Date La	st Inspected	9/	12/2024				
Impoundment	Pond #011A	Pond	Location	SW¼ NW¼,	Sec. 16, T5N, R87W	Oua	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site	Location	8.5 mi SE	8.5 mi SE of Hayden, CO		J P		
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden					
		•	Mark	or Write i	r Write in Appropriate Response:				
	FEATURE				BLEM	•	COMMENTS		
			YES (At	oove)	NO (Belo	w)			
GENERAL									
	or below principal spillway)			X		3 FT		
Existing Embankment	Freeboard (4.6 ft)		X				7.6 FT		
Outflow (gpm)					Х		0 GPM		
EROSION									
Rills & Gullies on Em	bankment				X				
Wave Erosion					X				
Spillway Erosion					X				
Burrows					X				
Other					Х				
STRUCTURAL			T						
Differential Settling					Х				
Cracks or Slides					X				
Seepage					Х				
Other					X				
STRUCTURES									
Principal Spillway Clogged Orifice			<u> </u>		V				
Clogged Orifice Clogged or Damage	d Culment				X				
					NA NA				
Damaged Headgate Emergency Spillway			l		l NA				
Erosion					х				
Riprap					X				
Clogged or Damage	d Culvert				X				
Other	a Curvett				X				
MAINTENACE							<u></u>		
Maintenance Required					Х				
Maintenance required					, ,				

Maintenance Performed
Additional Comments

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration		s-Vally Pond			
Date Inspected	11/12/2024		st Inspected	9/	12/2024	_		
Impoundment	Pond #012	Pond	Location	NE¼ NW¼,	NE¼ NW¼,Sec. 19, T5N, R87W		narterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 012	Site 1	Location	8.5 mi SE of Hayden, CO				
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden				
			Mark		n Appropriate F	desponse:		
	FEATURE				OBLEM		COMMENTS	
			YES (Ab	ove)	NO (Belo	w)		
GENERAL								
	or below principal spillway))	X				0.1 FT	
Existing Embankment	Freeboard (9.0 ft)		Х				8.9 FT	
Outflow (gpm)			Х				42 GPM	
EROSION					1			
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 Culvent				X			
Clogged or Damageo	ı Curvert				X			
MAINTENACE								
Maintenance Required					Х			
Maintenance Performe	d.				X			
Additional Comments	u				X			
Additional Comments					^			

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross-	Vally Pond			
Date Inspected	11/12/2024	Date Last	Inspected	pected 9/12/2024				
Impoundment	Pond #012A	Pond L	ocation	NE¼ NW¼,S	ec. 19, T5N, R87W	Qua	Quarterly Impoundment Inspection Form	
NPDES ID No	N/A	Site Lo	ocation	8.5 mi SE	of Hayden, CO		J 1	
Owner's Rep	Miranda Kawcak	Inspe	ector	Jason Herden				
			Mark		in Appropriat	e Respons	e:	
	FEATURE				OBLEM		COMMENTS	
			YES (Above)	NO (Bel	ow)		
GENERAL								
	or below principal spillway			X		3 FT		
Existing Embankment	Freeboard (4.6 ft)			X			7.6 FT	
Outflow (gpm)					Х		0 GPM	
EROSION								
Rills & Gullies on Emb	oankment				Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows			X					
Other					Х			
STRUCTURAL								
Differential Settling					Х			
Cracks or Slides					Х			
Seepage					Х			
Other					Х			
STRUCTURES								
Principal Spillway								
Clogged Orifice					Х			
Clogged or Damage					X			
Damaged Headgate					NA			
Emergency Spillway		1		1				
Erosion					X			
Riprap	101				X			
Clogged or Damage	d Culvert				Х			
Other					X			
MAINTENACE								
Maintenance Required					X			
Maintenance Performe	d				X			
Additional Comments					Х			

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross-	-Vally Pond		
Date Inspected	11/12/2024	Date Las	t Inspected	9/1	12/2024		
Impoundment	Pond #013	Pond I	Location	SE¼ NW¼, S	ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 013	Site L	ocation	8.5 mi SE	of Hayden, CO		
Owner's Rep	Miranda Kawcak	Insp	oector	Jaso	n Herden		
		•	Mark o		Appropriate l	Response:	
	FEATURE				BLEM		COMMENTS
			YES (Ab	ove)	NO (Belo	w)	
GENERAL							
`	or below principal spillway))			Х		1.7
Existing Embankment	Freeboard (4.0 ft)	_	Х				5.7 FT
Outflow (gpm)					Х		0 GPM
EROSION					1		
Rills & Gullies on Emb	pankment				X		
Wave Erosion		_			Х		
Spillway Erosion					X		
Burrows		_			X		
Other					X		
STRUCTURAL		1					
Differential Settling Cracks or Slides		-			X		
		_			X		
Seepage Other		_			X		
STRUCTURES					^		
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damage	ed Culvert	-			X		
Damaged Headgate		-			NA NA		
Emergency Spillway							
Erosion					Х		
Riprap		-			Х		
Clogged or Damage	d Culvert	Ī			Х		
Other					Х		
MAINTENACE							
Maintenance Required					Х		
Maintenance Performe	d				Х		
Additional Comments					Х		

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration		Vally Pond		
Date Inspected	11/12/2024		t Inspected	,	.2/2024		
Impoundment	Pond #014		Location	NE¼ SW¼, Sec. 19, T5N, R87W		Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 014	Site L			8.5 mi SE of Hayden, CO		
Owner's Rep	Miranda Kawcak	Inspector			n Herden		
			Mark o		Appropriate R	esponse:	
	FEATURE				BLEM		COMMENTS
			YES (Al	oove)	NO (Belo	ow)	
GENERAL							
Water Level (ft above of	or below principal spillway)				X		3.6 FT
Existing Embankment	Freeboard (6.8 ft)		X				10.4 FT
Outflow (gpm)					X		0 GPM
EROSION							
Rills & Gullies on Emb	pankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows					X		
Other					X		
STRUCTURAL							
Differential Settling					X		
Cracks or Slides					X		
Seepage					X		
Other					X		
STRUCTURES							
Principal Spillway							
Clogged Orifice					X		
Clogged or Damage					X		
Damaged Headgate					NA		
Emergency Spillway							
Erosion					X		
Riprap			-		X		
Clogged or Damaged	l Culvert				X		
Other					X		
MAINTENACE							
Maintenance Required					X		
Maintenance Performed	d		-		X		
Additional Comments			X				NEW OUTLET STRUCTURE INSTALLED.

IMPOUNDMENT INSPECTION LOG

JOB DATA

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

FLOW DAT	A						
SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	10-15-24	0.3	48	proce new flame	ىر
003	Sage Creek	Sage Creek	10-15-17	0.1	3.4	some animal builous	N
Lower Sump	Sage Creek	Sage Creek	15.21-ca	0.1	49		N
Pecoco	Sage Creek	Sage Creek	10-15-21	0.1	53		N
Portal Sump 1	Sage Creek	Sage Creek	10-15-27	oil	3		N
Portal Sump 2	Sage Creek	Sage Creek	PS. 27	0.1	<u> </u>	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	10-15.74	0,3	~	No Flow	\sim
Truck Wash	Sage Creek	Sage Creek	10-15.14	~		015	N
Upper Sump	Sage Creek	Sage Creek	10-15.24	0.1	54	3	N
006	Seneca	Seneca II West	10-15-24	0.	50	SLACE on S. Side, not affecting	N
015	Seneca	Seneca II West	10-15.24	0.1	15		N
016	Seneca	Seneca II West	10-15-24	oil	36		N
017	Seneca	Seneca II West	10-15.21	0.1	ス		N
T-2	Seneca	Seneca II West	10-16-24	_		Din	N
T-3	Seneca	Seneca II West	10-16.94	-35	_	no Flow	N
010	Seneca	Yoast	11-13-24	0.1	a	new outlet structure	N
011	Seneca	Yoast	10-10-34	-4.1			N
011A	Seneca	Yoast	10-16-24	-3,0	_		N
012	Seneca	Yoast	11-12-24	0.1	42		N
012A	Seneca	Yoast	11-12-24	J3,0			N
013	Seneca	Yoast	11-12-54	-1.7	~		N
014	Seneca	Yoast	11-13-24	- 3, 4	~	New entlet structure	~

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NOTES		

