

January 16, 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, Fourth 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 4Q23 IIR

Date Inspected Inspected Inpoundment Pond 4010 Pond 4020 Pond 40	Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross-\	Valley Pond						
NPDES ID No	Date Inspected	11/6/2023	Date La	st Inspected 9/20/20		20/2023						
NPDES ID No	Impoundment	Pond #010	Pond	Location	NW¼ NE¼, 9	Sec. 8, T5N, R87W	Qua	rterly Impoundment Inspection Form				
Mark or Write in Appropriate Response:	NPDES ID No	CO-0000221 D.P. 010	Site 1	Location	8.5 mi SE	of Hayden, CO	_	• •				
FEATURE	Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden						
YES (Above) NO (Below) Water Level (ft above or below principal spillway) X												
Water Level (ft above or below principal spillway)		FEATURE						COMMENTS				
Water Level (ft above or below principal spillway)				YES (At	ove)	NO (Bel	ow)					
Existing Embankment Freeboard (10.1 ft) X 2.1 GPM CNUTION (gpm) X 2.1 GPM EROSION Rills & Gullies on Embankment X X Wave Erosion X X Spillway Erosion X X Other X X Other X X STRUCTURAL Differential Settling X X Cracks or Slides X X Scepage X X Other X X STRUCTURES Principal Spillway Clogged or Damaged Culvert X X Damaged Headgate NA Emergency Spillway Erosion X X Riprap X X Clogged or Damaged Culvert X X Damaged Headgate X X Clogged or Damaged Culvert X X Damaged Headgate X X Clogged or Damaged Culvert X X Damaged Headgate X X Clogged or Damaged Culvert X X Damaged Headgate X X Riprap X X Clogged or Damaged Culvert X X Damaged Headgate X X Clogged or Damaged Culvert X X Damaged Headgate X X Riprap X X Clogged or Damaged Culvert X X Clogged Order X X Clogged Ord												
Outflow (gpm) X 2.1 GPM EROSION X Rills & Gullies on Embankment 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 Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X Maintenance Required X Maintenance Performed X	,	1 1 1 7		X				4				
Rils & Gullies on Embankment		Freeboard (10.1 ft)		X				10.0 FT				
Rills & Gullies on Embankment 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 Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE X Maintenance Required X Maintenance Performed X				X				2.1 GPM				
Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL Differential Settling Cracks or Slides X Scepage X Other X STRUCTURES Principal Spillway Clogged orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X Maintenance Required X Maintenance Performed 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 Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X		oankment										
Surrows												
Other X STRUCTURAL X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway X Clogged Orifice X X Clogged or Damaged Culvert X Damaged Headgate Emergency Spillway X Riprap X Clogged or Damaged Culvert X Clogged or Damaged Culvert X Other X X MAINTENACE Maintenance Required X Maintenance Performed X	* *											
STRUCTURAL												
X						X						
Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X				Γ		1						
X												
Other X STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X												
STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X												
Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						Х.						
Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X												
Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X												
Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X		d Culvert										
Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X												
Erosion						INA						
Riprap						х						
Clogged or Damaged Culvert												
Other X MAINTENACE Maintenance Required X Maintenance Performed X	* *	* *										
MAINTENACE Maintenance Required Maintenance Performed X												
Maintenance Required X Maintenance Performed X												
Maintenance Performed X						Х						
	*											
raditional Comments	Additional Comments			Х				OUTLET RUSTED BUT REMAINS FUNCTIONAL				

Mining Area	Yoast Mine(Seneca Coal Co)		Configuration	Cross	s-Vally Pond			
Date Inspected	11/7/2023		st Inspected	9/20/2023		_		
Impoundment	Pond #011	Pond	Location	ation NW¼ SW¼, Sec. 16, T5N, R87W Quar		Qua	rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P.011	Site	Location	8.5 mi SE	E of Hayden, CO			
Owner's Rep	Miranda Kawcak	Ins	spector	Jaso	on Herden			
			Mark		n Appropriate R	esponse:		
	FEATURE				OBLEM		COMMENTS	
			YES (At	oove)	NO (Belo	w)		
GENERAL								
	or below principal spillway)			X		1.5 FT	
Existing Embankment	Freeboard (5.1 ft)		X				6.6 FT	
Outflow (gpm)					X		0 GPM	
EROSION								
Rills & Gullies on Em	bankment				X			
Wave Erosion					X			
Spillway Erosion					Х			
Burrows					Х			
Other					Х			
STRUCTURAL			ı		1			
Differential Settling					Х			
Cracks or Slides					X			
Seepage					X			
Other					X			
STRUCTURES								
Principal Spillway			ı		1 ,		T	
Clogged Orifice	101				Х			
Clogged or Damag					X			
Damaged Headgate	;				NA			
Emergency Spillway Erosion			1		. v		T	
				X				
Riprap Clogged or Damaged Culvert				X		-		
Other				X		-		
MAINTENACE				<u> </u>				
Maintenance Required					Х			
Maintenance Required					X		1	
Additional Comments	u				X			
Additional Comments					Λ			

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	s-Vally Pond				
Date Inspected	11/6/2023	Date La	st Inspected	9/	/20/2023				
Impoundment	Pond #011A	Pond	Location	SW¼ NW¼,	Sec. 16, T5N, R87W	Qua	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site 1	Location	8.5 mi SE of Hayden, CO			5 1		
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden				
			Mark		n Appropriate I	Response:			
	FEATURE				DBLEM		COMMENTS		
			YES (At	oove)	NO (Belo	w)			
GENERAL									
,	or below principal spillway)	1			Х		2.6 FT		
Existing Embankment	Freeboard (4.6 ft)		X				7.2 FT		
Outflow (gpm)					Х		0 GPM		
EROSION					T				
Rills & Gullies on Emb	oankment				Х				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows					Х				
Other			X						
STRUCTURAL					1				
Differential Settling					Х				
Cracks or Slides					X				
Seepage			X						
Other					Х				
STRUCTURES									
Principal Spillway			1		1				
Clogged Orifice	101				X				
Clogged or Damage					X				
Damaged Headgate					NA				
Emergency Spillway							T		
Erosion					X				
Riprap	1.0-1				X				
Clogged or Damageo	1 Cuivert				X				
Other				Х					
Maintenance Required	MAINTENACE								
Maintenance Required Maintenance Performe					X				
Additional Comments	u				X				
<u> </u>	ro = 2.1 foot holow top of n								

Top of Sediment Storage = 2.1 feet below top of pipe

Impoundment Pond #012 CO-0000221 D.P. 012 Owner's Rep	Mining Area			onfiguration		s-Vally Pond			
NPDES ID No	Date Inspected	11/6/2023		-		/20/2023	_		
Owner's Rep					Location NE% NW%,Se		Qua	arterly Impoundment Inspection Form	
Mark or Write in Appropriate Response: FEATURE	NPDES ID No	CO-0000221 D.P. 012	Site I	Location	8.5 mi SE	E of Hayden, CO			
PROBLEM YES (Above) NO (Below)	Owner's Rep	Miranda Kawcak	Ins						
YES (Above) NO (Below) NO (Mark			Response:		
Water Level (it above or below principal spillway) X		FEATURE						COMMENTS	
Water Level (ft above or below principal spillway)				YES (Ab	ove)	NO (Belo	w)		
Existing Embankment Freeboard (9.0 ft) X 36.7 GPM X 36.7 GPM X 36	GENERAL								
Outlow (gpm) X 36.7 GPM EROSION X Wave Erosion X Kills & Gullies on Embankment X X Wave Erosion X X Spilway Erosion X X Other X X Other X X Differential Settling X X Cracks or Slides X X Seepage X X Other X X STRUCTURES Y Y Principal Spillway X X Clogged or Damaged Culvert X X Damaged Headgate NA NA Emergency Spillway X X Erosion X X Riprap X X Clogged or Damaged Culvert X X Other X X Maintenance Required X X Maintenance Performed X X								<u>1</u>	
Rills & Gullies on Embankment		Freeboard (9.0 ft)						4	
Rills & Gullies on Embankment X Wave 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 Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X Maintenance Required X Maintenance Performed X				X				36.7 GPM	
Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL Differential Settling Cracks or Sildes X Seepage X Other X STRUCTURES Principal Spillway Clogged orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						1			
Spillway Erosion		oankment							
Name									
Other X STRUCTURAL Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X	*								
STRUCTURAL									
Differential Settling						X			
Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						T			
Seepage X Other X STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X									
Other X STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X									
STRUCTURES Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X									
Principal Spillway X Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						X			
Clogged Orifice X Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X									
Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						l v			
Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X		d Culvant							
Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X									
Erosion X Riprap X Clogged or Damaged Culvert X Other X MAINTENACE Maintenance Required X Maintenance Performed X						IVA			
Riprap						l v			
X Other							1		
Other X MAINTENACE X Maintenance Required X Maintenance Performed X	* *	*					1		
MAINTENACE Maintenance Required Maintenance Performed X X					1				
Maintenance Required X Maintenance Performed X									
Maintenance Performed X						Х			
								1	
Auditional Commons	Additional Comments					X		1	

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross-	Vally Pond		
Date Inspected			Inspected		20/2023		
Impoundment	Pond #012A		ocation		NE¼ NW¼,Sec. 19, T5N, R87W		rterly Impoundment Inspection Form
NPDES ID No	N/A	4	ocation		of Hayden, CO	Quai	rterry impoundment inspection form
Owner's Rep	Miranda Kawcak		ector		n Herden		
Owner's Kep	Will allua Nawcak	шэр			in Appropriat	e Resnons	۵۰
	FEATURE		IVIAIR		OBLEM	c ixcspons	COMMENTS
			YES (Above)	NO (Bel	ow)	
GENERAL			<u> </u>				
Water Level (ft above	or below principal spillway)			Х		1.5 FT
Existing Embankment				X			6.1 FT
Outflow (gpm)	, ,				Х		0 GPM
EROSION							
Rills & Gullies on Emb	oankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other					Х		
STRUCTURAL							
Differential Settling					X		
Cracks or Slides					X		
Seepage			X				
Other			X				
STRUCTURES							
Principal Spillway			1	1		1	
Clogged Orifice	101				X		
Clogged or Damage					X		
Damaged Headgate					NA		
Emergency Spillway Erosion			1	1		1	
Riprap		-		X X			
Clogged or Damaged Culvert				X			
Other					X		
MAINTENACE			<u> </u>				
Maintenance Required					Х		
Maintenance Performe				X			
Additional Comments	•				X		
			<u> </u>				

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration		-Vally Pond						
Date Inspected	11/6/2023		st Inspected			_					
Impoundment	Pond #013		Location	SE¼ NW¼, S	ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 013	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 (Belo	ow)					
GENERAL	GENERAL										
,	or below principal spillway)				X		1.3 FT				
Existing Embankment	Freeboard (4.0 ft)		X				5.3 FT				
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Emb	bankment				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							T				
Clogged Orifice	10-1				X						
Clogged or Damage											
Damaged Headgate Emergency Spillway					NA						
Erosion					Х						
Riprap				X							
Clogged or Damaged Culvert				X							
Other					X						
MAINTENACE											
Maintenance Required					Х						
Maintenance Performe					X						
Additional Comments	u				X						
r zadzionar comments					Λ						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross-	Vally Pond			
Date Inspected	11/6/2023	Date Last	ast Inspected 9/2		9/20/2023			
Impoundment	Pond #014	Pond I	Location	NE¼ SW¼, Se	ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 014	Site L	ocation	8.5 mi SE (of Hayden, CO	_		
Owner's Rep	Miranda Kawcak	Insp	ector	Jasor	n Herden			
		•	Mark o		Appropriate I	Response:		
	FEATURE				BLEM		COMMENTS	
			YES (Al	oove)	NO (Bel	ow)		
GENERAL								
,	or below principal spillway)				Х		1.3 FT	
Existing Embankment	Freeboard (6.8 ft)		X				8.1 FT	
Outflow (gpm)					Х		0 GPM	
EROSION		-						
Rills & Gullies on Emb	pankment	-			Х			
Wave Erosion		-			X			
Spillway Erosion		-			X			
Burrows		-			X			
Other					Х			
STRUCTURAL Differential Settling					V			
Cracks or Slides		F			X			
		F			X			
Seepage Other		F			X			
STRUCTURES								
Principal Spillway								
Clogged Orifice					Х			
Clogged or Damage	d Culvert	-			X			
Damaged Headgate		-			NA			
Emergency Spillway		L						
Erosion					Х			
Riprap	Riprap				Х			
* *	Clogged or Damaged Culvert			X				
Other					Х			
MAINTENACE								
Maintenance Required					Х			
Maintenance Performe	d				Х			
Additional Comments					Х			

IMPOUNDMENT INSPECTION LOG

JOB DATA

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

FLOW DATA

FLOW DA	Γ A					i I	
SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	11-6-27	0.1	35.9		N
003	Sage Creek	Sage Creek	11-6-23	0.1	1.5	some animal bywars	N
Lower Sump	Sage Creek	Sage Creek	11-7-23	0.05	58		N
Pecoco	Sage Creek	Sage Creek	11-7-23	0.05	63		N
Portal Sump 1	Sage Creek	Sage Creek	11-7-23	-1.7	~	No Flow	N
Portal Sump 2	Sage Creek	Sage Creek	11-7-23	~	~	NOT Pumping	N
Spill Control 2	Sage Creek	Sage Creek	11.7-23	_	~	DID	r
Truck Wash	Sage Creek	Sage Creek	11-7-23			017	N
Upper Sump	Sage Creek	Sage Creek	11-7-27	0.1	47		N
006	Seneca	Seneca II West	11-6-3)	0.1	35.9	sheffons. side, no impect	N
015	Seneca	Seneca II West	11-6-27	0.1	1,3	NO Flow	N
016	Seneca	Seneca II West	11-6-23	0.1	25.7		N
017	Seneca	Seneca II West	11-6-27	0.1	2.1	.0	N
T-2	Seneca	Seneca II West	11-6-53			015	N
T-3	Seneca	Seneca II West	11-6-37	~3,1	~	NO Flow	N
010	Seneca	Yoast	11-6-27	0.1	2.1	autlet susted	Y
011	Seneca	Yoast	11-7-23	_(,5	~	NO FION	N
011 A	Seneca	Yoast	11-6-27	-2.4		is Flan	N
012	Seneca	Yoast	11-6-27	0.1	36.7		N
012A	Seneca	Yoast	(1-6-2)	11.5		NO FI-W	N
013	Seneca	Yoast	11-6-27	~l, 3		NO Flow	
014	Seneca	Yoast	11-6-23	-1.3	-	NO FIOW	

FIELD PERSONNEL:	JH	FIELD PERSONNEL SIGNATURE: Long Hay	
NOTES			
		*	

