



October 21, 2024

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

RE: 3rd Quarter and Annual Pond Inspections – Seneca Yoast Mine (C 1994-082)

Ms. Reilley:

Enclosed are the 3<sup>rd</sup> quarter 2024 and Annual pond inspection reports for the Seneca Yoast Mine. I personally inspected each pond and have provided a Professional Engineer's Statement on the following page of this letter to accompany the inspection reports. Please contact me if there are any questions or if you need any additional information.

Best Regards,

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Minarda Kawcak

## Attachments:

Professional Engineer Certification (Miranda Kawcak, P.E.) Inspection Reports

## **CERTIFICATION**

I, Miranda Lynn Kawcak, a registered engineer in the State of Colorado do hereby certify that I have reviewed the attached Seneca Yoast Mine Sediment Pond Reports covering the third quarter of 2024, and that they are true and correct to the best of my knowledge and belief.

Miranda Lynn Kawcak
CO P.E. No. 59419

10/21/2024

Date



Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross-\	Valley Pond			
Date Inspected	9/12/2024	Date La	Date Last Inspected		10/2024			
Impoundment	Pond# 010	Pond	Location NW% NE%		¼ NE¼, Sec. 8, T5N, R87W		uarterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 010	Site 1	Location 8.5 m		8.5 mi SE of Hayden, CO		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	Ins	pector		da Kawcak			
Î			Mark o	r Write in	Appropriate l	Response		
	FEATURE			PRO	BLEM	•	COMMENTS	
			YES (Ab	ove)	NO (Bel	ow)		
GENERAL								
Water Level (above or	below principal spillway)				Х		0.1'	
Existing Embankment	Freeboard (10.1 ft)		X				10.2 FT	
Outflow (gpm)					X		0 GPM	
EROSION								
Rills & Gullies on Emb	bankment				Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					Х			
Other					Х			
STRUCTURAL								
Differential Settling					Х			
Cracks or Slides					Х			
Seepage			X					
Other					Х			
STRUCTURES								
Principal Spillway			ı		1			
Clogged Orifice					Х			
Clogged or Damage					Х			
Damaged Headgate					NA			
Emergency Spillway			Г		· ·			
Erosion					Х			
Riprap	101				X			
Clogged or Damageo	d Culvert				X			
Other					Х			
MAINTENACE			ı		T			
Maintenance Required					Х		Outlet Rusted, New outlet structure on order and installation	
Maintenance Performe	d			X			scheduled for October.	
Additional Comments		Х						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	s-Vally Pond						
Date Inspected	9/12/2024	· ·	st Inspected		/10/2024						
Impoundment	Pond #011		Location	NW¼ SW¼,	Sec. 16, T5N, R87W	Oua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P.011	Site 1	Location		of Hayden, CO	Æ 1211	22 001 -J = p 0 01-10-10 = p 0 00-10 = 0 1-1				
Owner's Rep	Miranda Kawcak	Ins	spector		nda Kawcak						
•			_	or Write i	n Appropriate R	esponse:					
	FEATURE				DBLEM		COMMENTS				
			YES (Ab	ove)	NO (Belo	w)					
GENERAL											
Water Level (above or	below principal spillway)				Х		4 FT				
Existing Embsnkmrnt	Freeboard (5.1 ft)		Х				9.1 FT				
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					X						
Spillway Erosion					Х						
Burrows			X								
Other			X								
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides					Х						
Seepage					Х						
Other					Х						
STRUCTURES											
Principal Spillway											
Clogged Orifice					X						
Clogged or Damage					X NA						
Damaged Headgate											
Emergency Spillway											
Erosion					Х						
Riprap					Х						
	Clogged or Damaged Culvert										
Other					Х						
MAINTENACE											
Maintenance Required			Х								
	Maintenance Performed				Х						
Additional Comments			X								

Date Inspected   19/12/2024   Pond BUILA   Pond Least Inspection   Pond Least Inspect   Pond Least Inspect Inspect   Pond Least Inspect Inspect   Pond Least Inspect   Pond Least Inspect   Pond Least Inspect Inspect   Pond Least Inspect   Pond Least Inspect Inspect   Pond Least Inspect   Pond Least Inspect   Pond Least Inspect   Pond Least Inspect Inspe	Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond								
NPDES ID No	^		*	6/10/2024		_						
NPDES ID No		Pond #011A	Pond Location	SW¼ NW¼,	SW¼ NW¼, Sec. 16, T5N, R87W		rterly Impoundment Inspection Form					
Mark or Write in Appropriate Response:	NPDES ID No	N/A	Site Location	8.5 mi SE	E of Hayden, CO							
PROBLEM   COMMENTS	Owner's Rep	Miranda Kawcak										
SENERAL												
Water Level (above or below principal spillway)		FEATURE					COMMENTS					
Water Level (above or below principal spillway)   X			YES (A	bove)	NO (Belo	w)						
Existing Embsnkmrt Freeboard (4.6 ft) X 7.6 Ft Outflow (gpm) X 0 6PM  EROSION  Rills & Gullies on Embankment X Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL  Differential Settling X Cracks or Slides Seepage X Other X STRUCTURES  Principal Spillway  Clogged or Damaged Culvert X Damaged Headgate NA Emergency Spillway  Erosion X Riprap X Clogged or Damaged Culvert X Damaged Headgate X Emergency Spillway  Erosion X Riprap X Clogged or Damaged Culvert X Clogged Order Culvert X Clogged Order C												
Outflow (gpm)         X         0 GPM           EROSION         X         Wave Erosion         X           Wave Erosion         X         Spillway Erosion         X           Burrows         X         Wave Erosion         X           Burrows         X         Wave Erosion         X           Other         X         Wave Erosion         X           STRUCTURAL         X         Cracks or Slides         X         X         X         Cracks or Slides         X         <	`				Х							
Rills & Gullies on Embankment		Freeboard (4.6 ft)	Х									
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           Many         X           Many         X           Manitenance Required         X           Maintenance Performed         X					X		0 GPM					
Wave Erosion         X           Spilway Frosion         X           Burrows         X           Other         X           STRUCTURAL           Differential Settling           Cracks or Sildes         X           Scepage         X           Other         X           STRUCTURES           Principal Spillway           Clogged or Jamaged 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						ı						
Spillway Erosion         X           Burrows         X           Other         X           STRUCTURAL           Differential Settling         X           Cracks or Slides         X           Seepage         X           Other         X           STRUCTURES           Principal Spillway           Clogged or Jamaged 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		bankment										
Name												
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	-											
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         X           Maintenance Required         X           Maintenance Performed         X			T		V							
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												
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												
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         X           Maintenance Required         X           Maintenance Performed         X												
Clogged or Damaged Culvert Damaged Headgate NA  Emergency Spillway  Erosion Riprap Clogged or Damaged Culvert X  Clogged or Damaged Culvert X  Maintenance Required Maintenance Performed X  X  Maintenance Performed X  X  X  X  X  X  X  X  X  X  X  X  X					l x							
Damaged Headgate  Emergency Spillway  Erosion  Riprap  Clogged or Damaged Culvert  Other  X  MAINTENACE  Maintenance Required  Maintenance Performed  NA  NA  X  X  X  X  X  X  X  X  X  X  X  X  X	55	ed Culvert										
Emergency Spillway           Erosion         X           Riprap         X           Clogged or Damaged Culvert         X           Other         X           MAINTENACE         X           Maintenance Required         X           Maintenance Performed         X												
Erosion Riprap Clogged or Damaged Culvert X Other X  MAINTENACE Maintenance Required Maintenance Performed X  X  X			l									
Clogged or Damaged Culvert  Other  X  MAINTENACE  Maintenance Required  Maintenance Performed  X  X  X	_ , ,				Х							
Clogged or Damaged Culvert  Other  X  MAINTENACE  Maintenance Required  Maintenance Performed  X  X  X	Riprap	Riprap										
Other X  MAINTENACE  Maintenance Required X  Maintenance Performed X		Clogged or Damaged Culvert			X							
Maintenance Required X Maintenance Performed X		Other			Х							
Maintenance Performed X												
	1			Х								
Additional Comments X		Maintenance Performed										
	Additional Comments				X							

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	s-Vally Pond			
Date Inspected	9/12/2024	Date Las	e Last Inspected		10/2024			
Impoundment	Pond #012	Pond	Location NE% NW%,Se		4,Sec. 19, T5N, R87W <b>Qu</b>		uarterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 012	Site I			8.5 mi SE of Hayden, CO		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	Ins	pector	Mirai	nda Kawcak			
_			Mark or Write in Appropriate Response:					
	FEATURE			PRC	DBLEM		COMMENTS	
			YES (Al	oove)	NO (Belo	w)		
GENERAL								
1	below principal spillway)		X				0.1	
Existing Embsnkmrnt	Freeboard (9.0 ft)		X				8.9	
Outflow (gpm)			X				~35 GPM	
EROSION								
Rills & Gullies on Emb	bankment				Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					Х			
Other					Х			
STRUCTURAL								
Differential Settling					X			
Cracks or Slides					Х			
Seepage			X					
Other					Х			
STRUCTURES								
Principal Spillway			Т			1		
Clogged Orifice	101				X			
Clogged or Damage					X			
Damaged Headgate					NA			
Emergency Spillway			Γ	1		1		
Erosion					X			
Riprap	10.1				X			
Clogged or Damaged Culvert					X			
Other					Х			
MAINTENACE			l		V			
Maintenance Required Maintenance Performe					X			
	ca				X			
Additional Comments					Х			

Mining Area	Yoast Mine(Seneca Coal Co)	•	_	· · · · · · · · · · · · · · · · · · ·								
Date Inspected	9/12/2024	Date Last	_	6/10/2024		_						
Impoundment	Pond #012A		ocation	NE¼ NW¼,Sec. 19, T5N, R87W 8.5 mi SE of Hayden, CO		Qua	rterly Impoundment Inspection Form					
NPDES ID No	N/A	Site Lo	ocation			- v A						
Owner's Rep	Miranda Kawcak	Insp	ector	Mike	e Howard							
Mark or Write in Appropriate Response:												
	FEATURE				OBLEM		COMMENTS					
			YES (	Above)	NO (Belo	ow)						
GENERAL												
	below principal spillway)				X		3'					
Existing Embsnkmrnt	Freeboard (4.6 ft)		)	(			7.6'					
Outflow (gpm)					X		0 GPM					
EROSION				-								
Rills & Gullies on Em	bankment				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		- 1		1	.,							
Clogged Orifice	101		X									
Clogged or Damage			X									
	Damaged Headgate				NA							
Emergency Spillway				1								
Erosion					X							
Riprap Clogged or Damaged Culvert				X								
	Other			X								
MAINTENACE					Х							
				I	V							
Maintenance Required	Maintenance Required			X X								
Additional Comments					X							
Additional Comments				χ								

Mining Area	Yoast Mine(Seneca Coal Co)	<b>Facility C</b>	Configuration Cross-Vally Pond		-Vally Pond						
Date Inspected	9/12/2024	Date Las	st Inspected 6/1		6/10/2024						
Impoundment	Pond #013	Pond	Location	SE¼ NW¼, S	ec. 19, T5N, R87W	Oua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 013	Site I	Location				V I				
Owner's Rep	Miranda Kawcak	Ins	pector		da Kawcak						
			Mark o	r Write in	Appropriate	Response	:				
	FEATURE			PRO	BLEM		COMMENTS				
			YES (Ab	oove)	NO (Bel	ow)					
GENERAL											
•	below principal spillway)				X		1.5 ft				
Existing Embsnkmrnt	Freeboard (4.0 ft)		Х				5.5 ft				
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Eml	oankment				Х						
Wave Erosion					Х						
Spillway Erosion					X						
Burrows					Х						
Other			X								
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides			X								
Seepage				Х							
Other				Х							
STRUCTURES											
Principal Spillway											
Clogged Orifice	101				X						
Clogged or Damage					X						
	Damaged Headgate				NA						
Emergency Spillway		-			.,		<del>_</del>				
Erosion					X						
Riprap	1 C-14				X						
	Clogged or Damaged Culvert Other				X		-				
MAINTENACE					Х						
Maintenance Required					Х						
Maintenance Performe					X		1				
Additional Comments	u				X		1				
Additional Comments				٨							

Mining Area	Yoast Mine(Seneca Coal Co)	<b>Facility C</b>	Configuration	Cross-	Vally Pond			
Date Inspected	9/12/2024	Date La	Date Last Inspected		6/10/2024		Quarterly Impoundment Inspection Form	
Impoundment	Pond #014	Pond	Location NE% SW%, Se		4 SW¼, Sec. 19, T5N, R87W			
NPDES ID No	CO-0000221 D.P. 014	Site 1	Location	8.5 mi SE of Hayden, CO			J	
Owner's Rep	Miranda Kawcak	Ins	pector	Mirano	da Kawcak			
			Mark o	r Write in	Appropriate R	Response:		
	FEATURE			PROF			COMMENTS	
			YES (At	oove)	NO (Belo	ow)		
GENERAL								
Water Level (above or	below principal spillway)				X		4 ft	
Existing Embsnkmrnt I	Freeboard (6.8 ft)		X				10.8 ft	
Outflow (gpm)					X		0 GPM	
EROSION								
Rills & Gullies on Emb	oankment				X			
Wave Erosion					X			
Spillway Erosion					X			
Burrows			X					
Other			X					
STRUCTURAL								
Differential Settling					Х			
Cracks or Slides					Х			
	Seepage				Х			
Other					Х			
STRUCTURES								
Principal Spillway								
Clogged Orifice					X			
Clogged or Damage					X			
Damaged Headgate					NA			
Emergency Spillway					.,			
Erosion					X			
Riprap	1 Culturat				X			
Clogged or Damaged Culvert Other			X					
MAINTENACE					Χ			
Maintenance Required					Х		Pond Riser Rusted out. New riser on order and installation	
Maintenance Required  Maintenance Performed					X		scheduled for October.	
Additional Comments	u			X			Scrieduled for October.	
Additional Comments					۸			