

Seneca Yoast Mine 29515 RCR 27 Oak Creek, CO 80467

October 13, 2023

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 3rd quarter 2023 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,

irender Kawcall

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

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 2023, and that they are true and correct to the best of my knowledge and belief.

Muenda Kawcak

Miranda Lynn Kawcak CO P.E. No. 59419

13-23

Date



Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross-	Valley Pond						
Date Inspected	6/26/2023	Date Last Inspected		9/2	20/2023						
Impoundment	Pond# 010	Pond	Location	NW¼ NE¼, S	NW¼ NE¼, Sec. 8, T5N, R87W		rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 010	Site 1	Location	8.5 mi SE of Hayden, CO							
Owner's Rep	Miranda Kawcak	Ins	pector		da Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE			PRO	BLEM		COMMENTS				
			YES (Ab	oove)	NO (Bel	ow)					
GENERAL					• •						
Water Level (above or	below principal spillway)				Х		0.1'				
Existing Embankment	Freeboard (10.1 ft)		х				10.2 FT				
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Emb	pankment				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					r						
Clogged Orifice					Х						
Clogged or Damage					Х						
Damaged Headgate					NA						
Emergency Spillway					Г						
Erosion					X						
Riprap					X						
Clogged or Damaged Culvert					X						
Other			Х								
MAINTENACE											
Maintenance Required					X		Outlet Rusted but functional				
Maintenance Performed					X						
Additional Comments		Х									

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	acility Configuration		-Vally Pond					
Date Inspected	6/26/2023		ate Last Inspected		20/2023					
Impoundment	Pond #011		Location	Location NW¼ SW¼,		Oua	arterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P.011	Site]			of Hayden, CO	L				
Owner's Rep	Miranda Kawcak	Ins	pector		nda Kawcak					
•			A	or Write in	1 Appropriate R	esponse:				
	FEATURE			PRO	BLEM	•	COMMENTS			
			YES (Ab	oove)	NO (Belo	w)				
GENERAL										
	below principal spillway)				Х		6 FT			
Existing Embsnkmrnt	Freeboard (5.1 ft)		Х				11.1 FT			
Outflow (gpm)					Х		0 GPM			
EROSION										
Rills & Gullies on Em	bankment				Х					
Wave Erosion					Х					
	Spillway Erosion									
	Burrows				Х					
Other			Х							
STRUCTURAL			•	T						
Differential Settling					X X					
	Cracks or Slides									
	Seepage									
Other					Х					
STRUCTURES										
Principal Spillway			1							
Clogged Orifice					Х					
Clogged or Damage					Х					
<u> </u>	Damaged Headgate				NA					
Emergency Spillway			r							
Erosion					Х					
Riprap					X					
Clogged or Damaged Culvert			X			4				
Other				Х						
MAINTENACE					~					
-	Maintenance Required				<u> </u>		4			
Maintenance Performed					X		4			
Additional Comments				Х						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	-Vally Pond						
Date Inspected	6/29/2023	•	st Inspected 9/		20/2023						
Impoundment	Pond #011A		Location	-	Sec. 16, T5N, R87W	Oua	Quarterly Impoundment Inspection Form				
NPDES ID No	N/A	Site 1	Location		of Hayden, CO	Zun					
Owner's Rep	Miranda Kawcak	Ins	pector		nda Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE				BLEM		COMMENTS				
			YES (At	oove)	NO (Belo	w)					
GENERAL											
Water Level (above or	below principal spillway)				Х		4.6 ft				
Existing Embsnkmrnt	Freeboard (4.6 ft)		Х				~8Ft				
Outflow (gpm)					Х		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	Cracks or Slides				Х						
Seepage	Seepage				Х						
Other	X										
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х		4				
Clogged or Damage					Х		4				
Damaged Headgate			NA								
Emergency Spillway											
Erosion					Х		4				
Riprap					Х		4				
Clogged or Damaged Culvert			Х				4				
Other					Х						
MAINTENACE			T T								
	Maintenance Required				X		4				
Maintenance Performe			Х		4						
Additional Comments				Х							

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	-Vally Pond						
Date Inspected	9/20/2023	•	st Inspected		26/2023						
Impoundment	Pond #012		Location	NE¼ NW¼,S	Sec. 19, T5N, R87W	Oua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 012	Site I	Location	8.5 mi SE	8.5 mi SE of Hayden, CO						
Owner's Rep	Miranda Kawcak	Ins	pector		nda Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE			PRO	BLEM	•	COMMENTS				
			YES (At	oove)	NO (Belo	w)					
GENERAL											
Water Level (above or	below principal spillway)		Х				0.1				
Existing Embsnkmrnt I	Freeboard (9.0 ft)		Х				8.9				
Outflow (gpm)			Х				~35 GPM				
EROSION											
Rills & Gullies on Emb	pankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows				Х							
Other				Х							
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides					Х						
Seepage	Х Х										
Other	Х										
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damage					Х						
Damaged Headgate					NA						
Emergency Spillway			-								
Erosion					Х						
Riprap					Х						
Clogged or Damaged Culvert					Х						
Other				Х							
MAINTENACE											
Maintenance Required					Х						
Maintenance Performed			X								
Additional Comments				Х							

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross	-Vally Pond						
Date Inspected	3/21/2023	Date Last	Inspected	10/	20/2022						
Impoundment	Pond #012A	Pond L	ocation	NE¼ NW¼,S	NE¼ NW¼,Sec. 19, T5N, R87W		terly Impoundment Inspection Form				
NPDES ID No	N/A	Site Lo	ocation	8.5 mi SE	8.5 mi SE of Hayden, CO		5 1 1				
Owner's Rep	Miranda Kawcak	Insp	ector	Mike	e Howard						
		· •	Mark	or Write	in Appropriate	e Response:					
	FEATURE			PR	OBLEM	- Î	COMMENTS				
			YES (Above)	NO (Belo	ow)					
GENERAL											
Water Level (above or	below principal spillway)				Х		3.5'				
Existing Embsnkmrnt	Freeboard (4.6 ft)		2	X			8.1'				
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					Х						
Cracks or Slides					Х						
Seepage			X								
Other	Х										
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damage					Х						
<u> </u>	Damaged Headgate				NA						
Emergency Spillway											
Erosion					Х						
Riprap					Х						
Clogged or Damaged Culvert			X								
Other					Х						
MAINTENACE											
Maintenance Required					Х						
Maintenance Performe	d				Х						
Additional Comments			Х								

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross-	-Vally Pond						
Date Inspected	9/20/2023	Date Las	t Inspected 6/2		26/2023						
Impoundment	Pond #013	Pond	Location	SE¼ NW¼, S	ec. 19, T5N, R87W	Ouai	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 013	Site 1	Location	8.5 mi SE	of Hayden, CO	L					
Owner's Rep	Miranda Kawcak	Ins	pector		ida Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE				BLEM		COMMENTS				
			YES (At	oove)	NO (Belo	ow)					
GENERAL											
Water Level (above or	below principal spillway)				Х		1.8 ft				
Existing Embsnkmrnt I	Freeboard (4.0 ft)		Х				5.8 ft				
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Emb	pankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows			X								
Other			Х								
STRUCTURAL			1		1						
Differential Settling					Х						
Cracks or Slides	Х										
Seepage	x										
Other	Х										
STRUCTURES											
Principal Spillway			1								
Clogged Orifice	101				X						
Clogged or Damage					X						
Damaged Headgate			NA								
Emergency Spillway						I					
Erosion					X						
Riprap			X								
Clogged or Damaged	X X										
Other											
MAINTENACE					v						
Maintenance Required Maintenance Performe			X								
Additional Comments			X X								
Additional Comments					X						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration		Cross-	Vally Pond					
Date Inspected	9/20/2023	Date Last Inspected			6/2023					
Impoundment	Pond #014		Location	NE¼ SW¼, Sec. 19, T5N, R87W		Oua	rterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P. 014	Site	Site Location		8.5 mi SE of Hayden, CO					
Owner's Rep	Miranda Kawcak	Ins	pector	Miranda Kawcak						
Mark or Write in Appropriate Response:										
	FEATURE				BLEM		COMMENTS			
			YES (Ab	oove)	NO (Bel	ow)				
GENERAL										
	below principal spillway)				Х		2.6 ft			
Existing Embsnkmrnt	Freeboard (6.8 ft)		Х				9.4 ft			
Outflow (gpm)					Х		0 GPM			
EROSION			1							
Rills & Gullies on Eml	oankment				Х					
Wave Erosion					Х					
Spillway Erosion					Х					
Burrows					Х					
Other			Х							
STRUCTURAL										
Differential Settling					Х					
	Cracks or Slides				X					
Seepage					X					
Other			X							
STRUCTURES										
Principal Spillway					X					
Clogged Orifice	d Culvert				X					
Clogged or Damage Damaged Headgate					X NA					
Emergency Spillway			l		NA					
Erosion					Х					
Riprap					X					
Clogged or Damaged Culvert					X					
Other			× X							
MAINTENACE					Х					
Maintenance Required					x					
Maintenance Performed					× ×					
Additional Comments			X							