

Seneca Yoast Mine 29515 RCR 27 Oak Creek, CO 80467

October 16, 2021

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 2021 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

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 2021, and that they are true and correct to the best of my knowledge and belief.

Miranda Kawcak

Miranda Lynn Kawcak CO P.E. No. 59419



10/16/2021

Date

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Facility Configuration		-Valley Pond						
Date Inspected	9/23/2021	Date Last Inspected		6/14/2021							
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	Site Location		8.5 mi SE of Hayden, CO						
Owner's Rep	Miranda Kawcak	Ins	pector		Miranda Kawcak						
*		<u>.</u>	Mark o		Appropriate l	Response:					
	FEATURE			PRO	BLEM	I	COMMENTS				
			YES (Ab	ove)	NO (Bel	ow)					
GENERAL											
Water Level (above or	below principal spillway)				Х		1.0 FT Below				
Existing Embsnkmrnt	Freeboard (10.1 ft)		11.1								
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					Х						
Seepage					Х						
Other			Х								
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damage			Х				Outlet rusted				
Damaged Headgate					NA						
Emergency Spillway			P		P						
Erosion					Х						
Riprap					Х						
Clogged or Damaged Culvert					х						
Other			Х								
MAINTENACE			I								
Maintenance Required			Х				See comment above				
Maintenance Performe	d				Х						
Additional Comments			Х								

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross	-Vally Pond							
Date Inspected	9/23/2021		_		14/2021							
Impoundment	Pond #011		Location	-	Sec. 16, T5N, R87W	Oua	arterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P.011	Site	Location			×						
Owner's Rep	Miranda Kawcak		spector		nda Kawcak							
Mark or Write in Appropriate Response:												
	FEATURE				BLEM		COMMENTS					
			YES (Ab	oove)	NO (Belo	w)						
GENERAL												
Water Level (above or	below principal spillway)				Х		~15 FT Below					
Existing Embsnkmrnt	Freeboard (5.1 ft)		20.1									
Outflow (gpm)					Х		0					
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 Х									
Seepage			х									
Other			X									
STRUCTURES												
Principal Spillway												
Clogged Orifice					Х							
Clogged or Damage					Х							
Damaged Headgate			NA									
Emergency Spillway												
Erosion					X X							
Riprap												
Clogged or Damaged Culvert			X									
Other				Х								
MAINTENACE			1									
Maintenance Required					Х							
Maintenance Performe	d				Х							
Additional Comments				Х								

Mining Area	Yoast Mine(Seneca Coal Co)	Facility (Configuration	Cross	-Vally Pond						
Date Inspected	9/23/2021		st Inspected		6/15/2021						
Impoundment	Pond #011A		Location		Sec. 16, T5N, R87W	Оня	Quarterly Impoundment Inspection Form				
NPDES ID No	N/A		Location		of Hayden, CO	Zuu					
Owner's Rep	Miranda Kawcak		pector		nda Kawcak						
o micro ricp	initia da Rawcak										
	FEATURE		1)Iui K		n Appropriate R BLEM	coponse.	COMMENTS				
			YES (At	oove)	NO (Belo	w)					
GENERAL											
Water Level (above or	below principal spillway)				Х		3 FT Below				
Existing Embsnkmrnt			7.6 F	Т							
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			X								
Seepage			X								
Other			Х								
STRUCTURES											
Principal Spillway							1				
Clogged Orifice					Х		4				
Clogged or Damage					Х		4				
Damaged Headgate					NA						
Emergency Spillway							Ι				
Erosion					<u>X</u>		4				
Riprap					X		4				
Clogged or Damage	X				4						
Other MAINTENACE	Other X										
MAIN IENACE Maintenance Required			[V						
Maintenance Required Maintenance Performe		X				4					
Additional Comments	u		X X				4				
Aduitional Comments					Χ						

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	9/23/2021		te Last Inspected		6/14/2021						
Impoundment	Pond #012	Pond	-		NE¼ NW¼,Sec. 19, T5N, R87W		arterly 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	Mira	nda Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE				BLEM	I	COMMENTS				
			YES (At	oove)	NO (Belo	w)					
GENERAL											
Water Level (above or	below principal spillway)		Х								
Existing Embsnkmrnt	Freeboard (9.0 ft)		9								
Outflow (gpm)			Х				~50 GPM				
EROSION											
Rills & Gullies on Emb	oankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows	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						
Damaged Headgate			NA								
Emergency Spillway											
Erosion					Х						
Riprap					Х						
Clogged or Damaged Culvert			Х Х								
Other					Х						
MAINTENACE											
Maintenance Required					Х						
Maintenance Performe	d				Х						
Additional Comments				Х							

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross	Vally Pond								
Date Inspected	9/23/2021	Date Last											
Impoundment	Pond #012A		ocation	NE¼ NW¼,Sec. 19, T5N, R87W		Оня	rterly Impoundment Inspection Form						
NPDES ID No	N/A		ocation		8.5 mi SE of Hayden, CO		terry impoundment inspection i orm						
Owner's Rep	Miranda Kawcak		ector		da Kawcak								
	Mark or Write in Appropriate Response:												
	FEATURE				OBLEM	F	COMMENTS						
			YES (A	Above)	NO (Bel	ow)							
GENERAL													
Water Level (above or	below principal spillway)				Х		Dry						
Existing Embsnkmrnt I	Freeboard (4.6 ft)		12	Ft									
Outflow (gpm)					х		0 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			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	d				X								
Additional Comments				Х									

Mining Area	Yoast Mine(Seneca Coal Co)	Facility (Configuration	Cross-	Vally Pond							
Date Inspected	9/23/2021	Date Last Inspected			4/2021							
Impoundment	Pond #013		Pond Location		SE¼ NW¼, Sec. 19, T5N, R87W		rterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 013		Site Location		8.5 mi SE of Hayden, CO		interny impoundment inspection i of m					
Owner's Rep	Miranda Kawcak		pector	Miranda Kawcak								
o which o http	initia da Naweak		Zesnonse.									
	Mark or Write in Appropriate Response: FEATURE PROBLEM COMMENTS											
			YES (At	oove)	NO (Bel	ow)						
GENERAL												
Water Level (above or	below principal spillway)				Х		3.5 ft below outlet					
Existing Embsnkmrnt			7.5 F	Т								
Outflow (gpm)					Х		0 GPM					
EROSION												
Rills & Gullies on Emb	pankment				Х							
Wave Erosion					Х							
Spillway Erosion					Х							
Burrows	X											
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			P									
Erosion					X X							
Riprap												
Clogged or Damaged Culvert					Х							
Other				Χ								
MAINTENACE												
Maintenance Required					Х							
Maintenance Performe	d				X							
Additional Comments					Х							

Mining Area	Yoast Mine(Seneca Coal Co)	Facility (Configuration	Cross-	Vally Pond						
Date Inspected	9/23/2021	Date Last Inspected			4/2021						
Impoundment	Pond #014		•		ec. 19, T5N, R87W	Оня	arterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 014				of Hayden, CO	Zuu	interny impoundament inspection i orm				
Owner's Rep	Miranda Kawcak		spector								
o micro ricp	Windhadd Raweak		1		Appropriate F	lesnonse.					
	FEATURE		Mark 0	PROF	BLEM	tesponse.	COMMENTS				
			YES (At	oove)	NO (Bel	ow)					
GENERAL											
Water Level (above or	below principal spillway)				х		3.5 feet below outlet				
Existing Embsnkmrnt			10.3	3							
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			х Х								
Other			Х								
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damage					Х						
Damaged Headgate			NA								
Emergency Spillway			I								
Erosion					Х						
Riprap				Х							
Clogged or Damaged Culvert					Х						
Other					Х						
MAINTENACE											
Maintenance Required					X		4				
Maintenance Performe	d				X		-				
Additional Comments					Х						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration Sto		ockpond								
Date Inspected	9/23/2021	Date La	ast Inspected 6		6/17/2021								
Impoundment	ST-1	Pond	Location	SW¼ Sec.	20, T5N, R87W Qua		arterly Impoundment Inspection Form						
NPDES ID No	N/A	Site	Location	8.5 mi SE	of Hayden, CO		J F F F F F						
Owner's Rep	Miranda Kawcak	Ins	pector	Mirar	nda Kawcak								
	Mark or Write in Appropriate Response:												
	FEATURE				BLEM	-	COMMENTS						
			YES (Ab	ove)	NO (Belo	ow)							
GENERAL													
Water Level (above or	below principal spillway)				Х		Dry						
EROSION													
Rills & Gullies on Emb	pankment				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					NA								
Clogged Orifice	1 Colored												
Clogged or Damage Damaged Headgate					NA								
Emergency Spillway					NA								
Erosion					х								
Riprap					× X								
	Clogged or Damaged Culvert				 NA								
Other													
MAINTENACE													
Maintenance Required					х								
Maintenance Performe					X								
Additional Comments					X								