



October 05, 2022

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 2022 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

Miranda 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 2022, and that they are true and correct to the best of my knowledge and belief.

Miranda Kawcak	10/05/2022
Miranda Lynn Kawcak CO P.E. No. 59419	Date



Mining Area			onfiguration		Valley Pond							
Date Inspected	9/13/2022	Date Last Inspected			20/2022	•						
Impoundment	Pond# 010	Pond Location		,		Qua	arterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 010	Site Location		8.5 mi SE of Hayden, CO								
Owner's Rep	Miranda Kawcak	Ins	pector		da Kawcak							
Mark or Write in Appropriate Response: FEATURE PROBLEM COMMENTS												
	FEATURE						COMMENTS					
			YES (At	oove)	NO (Belo	ow)						
	GENERAL											
	below principal spillway)				Х		0.8 FT Below					
Existing Embsnkmrnt l	Freeboard (10.1 ft)				10.9							
Outflow (gpm)					Х		0 GPM					
EROSION					1							
Rills & Gullies on Emb	oankment				X							
Wave Erosion					X							
Spillway Erosion												
Burrows			X									
Other					Х							
STRUCTURAL					T							
Differential Settling					Х							
Cracks or Slides					Х							
Seepage					X							
	Other				Х							
STRUCTURES												
Principal Spillway					T							
Clogged Orifice					Х							
Clogged or Damage					Х							
Damaged Headgate					NA							
Emergency Spillway		1			T							
Erosion					X							
Riprap					Х							
Clogged or Damage	d Culvert				X							
Other					Х							
MAINTENACE					T							
Maintenance Required					X		Outlet rusted but still functional					
Maintenance Performe	d				Х							
Additional Comments			X									

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration Cross		Cross-Vally Pond								
Date Inspected	9/13/2022	Date La	st Inspected 6/		6/20/2022								
Impoundment	Pond #011	Pond	Location	NW¼ SW¼,	NW¼ SW¼, Sec. 16, T5N, R87W		rterly Impoundment Inspection Form						
NPDES ID No	CO-0000221 D.P.011	Site 1	Location	8.5 mi SE	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		COMMENTS						
			YES (Ab	ove)	NO (Belo	w)							
GENERAL													
	below principal spillway)				Х		~8 FT Below						
Existing Embsnkmrnt	Freeboard (5.1 ft)				13.1								
Outflow (gpm)					X		0						
EROSION					I								
Rills & Gullies on Em	bankment				Х								
Wave Erosion					X		_						
Spillway Erosion					X								
Burrows					X								
Other					X								
STRUCTURAL							T						
Differential Settling					X		1						
II	Cracks or Slides			X X									
Other	Seepage			X									
TRUCTURES					^								
Principal Spillway													
Clogged Orifice					Х								
Clogged or Damage	ed Culvert					X							
Damaged Headgate					NA								
Emergency Spillway					191								
Erosion					Х								
Riprap					Х		†						
Clogged or Damage	d Culvert				Х		†						
Other					Х		<u> </u>						
MAINTENACE													
Maintenance Required					X								
Maintenance Performe	ed				Х								
Additional Comments				•	Х								

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration Cross-Vally Pond									
Date Inspected	9/13/2022	Date Las	1		6/21/2022							
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		- • • •						
Owner's Rep	Miranda Kawcak	Ins	pector	Mirai	nda Kawcak							
Mark or Write in Appropriate Response:												
	FEATURE				BLEM		COMMENTS					
			YES (Ab	ove)	NO (Belo	ow)						
GENERAL												
	below principal spillway)				X		3 FT Below					
Existing Embsnkmrnt	Freeboard (4.6 ft)				7.6 FT							
Outflow (gpm)					Х		0 GPM					
EROSION					ı							
Rills & Gullies on Eml	bankment				Х							
Wave Erosion					Х							
Spillway Erosion					Х							
	Burrows				Х							
Other			X									
STRUCTURAL					T							
Differential Settling					Х							
Cracks or Slides			X									
Seepage			X									
	Other				X							
STRUCTURES												
Principal Spillway												
Clogged Orifice	10-1			X								
Clogged or Damage			X									
Damaged Headgate Emergency Spillway					NA							
Erosion Erosion					х							
Riprap					X							
* *	d Culvant											
Clogged or Damage Other	Curvert			X								
MAINTENACE												
Maintenance Required					Х							
Maintenance Performe					X							
Additional Comments	u				X							
Additional Comments	245 11 1 1 5				^							

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	s-Vally Pond						
Date Inspected	9/13/2022	Date Las	st Inspected 6/2		6/20/2022						
Impoundment	Pond #012	Pond	Location	NE¼ NW¼,Sec. 19, T5N, R87W		Qua	rterly 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		n Appropriate I	Response:					
	FEATURE				DBLEM		COMMENTS				
			YES (At	ove)	NO (Belo	w)					
GENERAL											
	below principal spillway)		X								
Existing Embsnkmrnt l	Freeboard (9.0 ft)		9								
Outflow (gpm)			Х				~35 GPM				
EROSION					T						
Rills & Gullies on Emb	oankment				X						
Wave Erosion					X						
Spillway Erosion					X						
	Burrows										
Other STRUCTURAL			X								
Differential Settling					Х						
Cracks or Slides					X		•				
Seepage											
Other			X X								
STRUCTURES			^								
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damage	d Culvert				X						
Damaged Headgate					NA						
Emergency Spillway					1		·				
Erosion					Х						
Riprap					Х						
Clogged or Damage	d Culvert				Х						
Other					Х						
MAINTENACE											
Maintenance Required			, <u>-</u>	·	Х						
Maintenance Performe	d		-		Х						
Additional Comments					Х						

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross-	Cross-Vally Pond						
Date Inspected	9/13/2022	Date Last	Inspected	6/2	20/2022						
Impoundment	Pond #012A	Pond L	ocation	NE¼ NW¼,S	ec. 19, T5N, R87W	Oua	rterly Impoundment Inspection Form				
NPDES ID No	N/A	Site Lo	ocation	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	Insp	ector	Miran	ida Kawcak						
_			e:								
	FEATURE			PR	OBLEM		COMMENTS				
			YES (Above)	NO (Bel	ow)					
GENERAL											
Water Level (above or	below principal spillway)				Х		Small pool of water				
Existing Embsnkmrnt	Freeboard (4.6 ft)				8 Ft						
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Em	bankment				X						
Wave Erosion					X						
Spillway Erosion				X							
Burrows	Burrows			Х							
Other					Х						
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides				X							
Seepage				X							
Other					Х						
STRUCTURES											
Principal Spillway			,								
Clogged Orifice					X						
Clogged or Damage					X						
Damaged Headgate					NA						
Emergency Spillway			1		•						
Erosion					Х						
Riprap					X						
Clogged or Damage	d Culvert				Х						
Other					Х						
MAINTENACE			1								
Maintenance Required					X						

Maintenance Performed Additional Comments

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross-	Vally Pond							
Date Inspected	9/13/2022	Date Las	t Inspected	6/2	20/2022							
Impoundment	Pond #013	Pond 1	Location SE¼ NW¼, S		SE¼ NW¼, Sec. 19, T5N, R87W		uarterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 013	Site L	Location 8.5 mi SE		8.5 mi SE of Hayden, CO							
Owner's Rep	Miranda Kawcak	Insp	oector	Miran	da Kawcak							
Mark or Write in Appropriate Response:												
	FEATURE				BLEM		COMMENTS					
			YES (Ab	oove)	NO (Belo	ow)						
GENERAL												
	below principal spillway)				X		2.5 ft below outlet					
Existing Embsnkmrnt	Freeboard (4.0 ft)				6.5 FT	-						
Outflow (gpm)					Х		0 GPM					
EROSION												
Rills & Gullies on Emb	oankment				X							
Wave Erosion		_			X							
Spillway Erosion		_			Х							
Burrows					X							
Other					X							
STRUCTURAL		ı										
Differential Settling		-			X							
Cracks or Slides		-			X							
Seepage Other	Seepage			X								
STRUCTURES			X									
Principal Spillway												
Clogged Orifice					Х							
Clogged or Damage	od Culvert	-			X							
Damaged Headgate		-			NA NA							
Emergency Spillway					INA		<u> </u>					
Erosion					Х							
Riprap		ŀ			X							
Clogged or Damage	d Culvert	-			X							
Other		F			X							
MAINTENACE		<u>_</u>										
Maintenance Required					Х							
Maintenance Performe	d				Х							
Additional Comments					Х							

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration		Vally Pond						
Date Inspected	9/13/2022	Date Last Inspected			0/2022	_					
Impoundment	Pond #014	Pond Location			ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 014	Site Location		8.5 mi SE of Hayden, CO							
Owner's Rep	Miranda Kawcak	Insp	oector		da Kawcak						
Mark or Write in Appropriate Response: FEATURE PROBLEM COMMENTS											
	FEATURE						COMMENTS				
			YES (Al	oove)	NO (Bel	ow)					
GENERAL											
	below principal spillway)				Х		2.5 feet below outlet				
Existing Embsnkmrnt I	Freeboard (6.8 ft)	L			9.3						
Outflow (gpm)					Х		0 GPM				
EROSION											
Rills & Gullies on Emb	oankment				Х						
Wave Erosion		L			Х						
Spillway Erosion					Х						
Burrows		L			X						
Other					Х						
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides		L		X							
Seepage		L			X						
	Other				Х						
STRUCTURES											
Principal Spillway											
Clogged Orifice	101	-			X						
Clogged or Damage	d Culvert	-			X						
	Damaged Headgate				NA						
Emergency Spillway					v						
Erosion					X						
Riprap	1.0-1	-			X						
Clogged or Damageo	Jamaged Culvert				X						
Other MAINTENACE					Х						
					V						
Maintenance Required Maintenance Performe	1	-			X						
Additional Comments	0	-			X X						
Additional Comments					X						