



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 IIW Mine (C 1982-057)

Ms. Reilley:

Enclosed are the 3rd quarter 2023 and Annual pond inspection reports for the Seneca IIW 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

Mirarda Kawcak

Attachments:

Professional Engineer Certification (Miranda Lynn 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 II West 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.

Miranda Wowcat

10-13-23

Miranda Lynn Kawcak CO P.E. No. 59419 Date



Mining Area	Seneca II West Mine	Facility Co	nfiguration	Cross	s-Vally Pond							
Date Inspected	9/20/2023	Date Last	st Inspected 6/		26/2023							
Impoundment	Pond #006	Pond L	ocation	tion NW¼ NW¼, Sec. 22, T5N, R88W		Oua	rterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 006	Site Lo	ocation	8 mi. S of Hayden, CO		C 3233						
Owner's Rep	Miranda Kawcak	Insp	ector	Miranda Kawcak								
•	Mark or Write in Appropriate Response:											
	FEATURE			PRC	DBLEM	•	COMMENTS					
			YES (At	oove)	NO (Belo	w)						
GENERAL												
Water Level (above or	r below principal spillwa	ay)	Χ				0.1'					
Existing Embankment	Freeboard (7.5 ft)		X				7.4'					
Outflow (gpm)			Χ				45 GPM					
EROSION												
Rills & Gullies on Em	bankment				Х							
Wave Erosion					Х							
Spillway Erosion					Х							
Burrows			X									
Other		X										
STRUCTURAL												
Differential Settling					Х							
Cracks or Slides			X									
Seepage					Х							
Other					Х							
STRUCTURES												
Principal Spillway												
Clogged Orifice					Х							
Clogged or Damag					X							
<u> </u>	Damaged Headgate			NA								
Emergency Spillway					T	-						
Erosion					Х							
Riprap					Х							
Clogged or Damaged Culvert					Х							
Other					Х							
MAINTENACE												
Maintenance Required					Х							
Maintenance Performed					Х							
Additional Comments				Х								

Mining Area	Seneca II West Mine	Facility C	onfiguration	guration Cross-Vally Pond							
Date Inspected	9/20/2023	Date Las	st Inspected	spected 6/26/2023							
Impoundment	Pond #015	Pond	Location	NE¼ SE¼, Sec. 23, T5N, R88W		Oua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 015	Site I	Location	8 mi. S of Hayden, CO			J 1				
Owner's Rep	Miranda Kawcak	Ins	pector	ector Miranda Kawcak							
•	Mark or Write in Appropriate Response:										
	FEATURE				BLEM	Î	COMMENTS				
	YES (Above) NO (Belo			ow)							
GENERAL											
Water Level (above or	r below principal spillwa	ay)	X				0.05'				
Existing Embankment	t Freeboard (4.0 ft)		Х				3.95'				
Outflow (gpm)			Х				5 GPM				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					X						
Spillway Erosion					X						
Burrows	Burrows				X						
	Other				X						
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides			X								
	Seepage			X							
	Other				Х						
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damag					Х						
Damaged Headgate	e				NA						
Emergency Spillway		-		- T							
	Erosion				Х						
1 1	Riprap				X						
Clogged or Damaged Culvert					Х						
Other					Х						
MAINTENACE				-							
Maintenance Required			X								
	Maintenance Performed				Х						
Additional Comments			X								

Mining Area Date Inspected	Seneca II West Mine 9/20/2023	Date La	st Inspected	6/26	ally Pond 5/2023					
Impoundment	Pond #016		Location NE% SE%, Sec. 27, T5N, R88W		Qua	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 016		Location 8 mi. S of Hayden, CO							
Owner's Rep	Miranda Kawcak	Ins	spector	U	a Kawcak					
Mark or Write in Appropriate Response:										
	FEATURE			PROB			COMMENTS			
			YES (Above) NO (Bel			low)				
GENERAL										
•	r below principal spillwa	ıy)	X				0.1'			
Existing Embankment	t Freeboard (6.8 ft)		X				6.7'			
Outflow (gpm)			X				25 GPM			
EROSION										
Rills & Gullies on Em	nbankment				Х					
Wave Erosion					Х					
Spillway Erosion					Х					
Burrows			X							
Other			X							
STRUCTURAL										
Differential Settling			Х							
Cracks or Slides			Х							
Seepage			Х							
Other					Х					
STRUCTURES										
Principal Spillway										
Clogged Orifice										
Clogged or Damag	ged Culvert				Х					
Damaged Headgat	e		NA							
Emergency Spillway										
Erosion					Х					
Riprap	Riprap					_				
Clogged or Damaged Culvert			X							
Other					Х					
MAINTENACE										
Maintenance Required	d		Х							
Maintenance Perform	Maintenance Performed			Х						
Additional Comments					Х	·				

Mining Area	Seneca II West Mine	Facility (Configuration	Cross-	-Vally Pond					
Date Inspected	9/20/2023	Date La	st Inspected							
Impoundment	Pond #017	Pond	Location	SW¼ NE¼, Sec. 34, T5N, R88W 8 mi. S of Hayden, CO Miranda Kawcak		Qua	rterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P. 017	Site	Location				J I			
Owner's Rep	Miranda Kawcak	Ins	spector							
Mark or Write in Appropriate Response:										
	FEATURE				BLEM	-	COMMENTS			
			YES (Ab	ove)	NO (Bel	ow)				
GENERAL										
	r below principal spillw	ay)	X				0.1'			
Existing Embankmen	t Freeboard (3.1 ft)		X				3.0'			
Outflow (gpm)			Х				5 GPM			
EROSION										
Rills & Gullies on Em	nbankment				Х					
Wave Erosion					Х					
Spillway Erosion			X							
Burrows	Burrows				X					
Other	Other			X						
STRUCTURAL										
Differential Settling					Х					
Cracks or Slides			X							
Seepage			X							
Other					Х					
STRUCTURES										
Principal Spillway										
Clogged Orifice					Х					
Clogged or Damag					Х					
Damaged Headgat	e		NA							
Emergency Spillway										
Erosion					Х					
Riprap										
Clogged or Damaged Culvert					Х					
Other					Х					
	MAINTENACE									
Maintenance Required					Х					
Maintenance Perform					Х					
Additional Comments			X							

Mining Area	Seneca II West Mine	Facility C	onfiguration	Sto	ckpond						
Date Inspected	9/20/2023		t Inspected								
Impoundment	T-2		Location	•	NW¼SW¼, Sec 22, T5N, R88W		rterly Impoundment Inspection Form				
NPDES ID No	N/A		Location	8 mi S of Hayden, CO		Qua	uarterly impoundment inspection form				
Owner's Rep	Miranda Kawcak			Miranda Kawcak							
Owner's Rep	Miranda Kawcak	Ins	pector			. D					
Mark or Write in Appropriate Response: FEATURE PROBLEM COMMENTS											
	FEATURE	-	YES (Ab			>	COMMENTS				
GENERAL			1E5 (At	NO (Bei	ow)						
	Water Level (above or below principal spillway) X Dry										
EROSION	t ociow principal spinw	ay)			<u> </u>		ы				
Rills & Gullies on Em	hankment	I			Х						
Wave Erosion	ouminent.	}			X						
Spillway Erosion		-			X						
Burrows		<u> </u>			X						
Other		ŀ			X						
STRUCTURAL											
Differential Settling			Х								
Cracks or Slides	Х										
Seepage	X										
Other			Х								
STRUCTURES											
Principal Spillway											
Clogged Orifice					NA						
Clogged or Damag	ed Culvert		NA								
Damaged Headgate	e				NA						
Emergency Spillway											
Erosion					X						
Riprap					X						
Clogged or Damaged Culvert					NA						
Other			Χ								
MAINTENACE											
Maintenance Required					X						
Maintenance Performe				X							
Additional Comments					Х						

Mining Area	Seneca II West Mine	Facility C	onfiguration	Sto	ockpond						
Date Inspected	9/20/2023	•	Date Last Inspected		6/29/2023						
Impoundment	T-3		Location	NW¼SE¼, Sec 22, T5N, R88W		Oug	rterly Impoundment Inspection Form				
NPDES ID No	N/A		Location		f Hayden, CO	Qua	rterry impoundment inspection i orm				
Owner's Rep	Miranda Kawcak		pector	, ,							
Owner s Rep	Will all da Rawcak	1115	<u> </u>	k or Write in Appropriate Respons			50.				
	FEATURE PROBLEM COMMENTS										
			YES (Ab	YES (Above) NO (Below		ow)					
GENERAL											
Water Level (above or	below principal spillw	ay)			Х		3 ft				
EROSION	1 1										
Rills & Gullies on Em	bankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows				Х							
Other				Х							
STRUCTURAL											
Differential Settling			Х								
Cracks or Slides			X								
Seepage	X										
Other				Х							
STRUCTURES											
Principal Spillway					NA						
Clogged Orifice											
Clogged or Damag					NA						
Damaged Headgate	2				NA						
Emergency Spillway					Х						
1	Erosion										
Riprap			X								
Clogged or Damaged Culvert Other			NA X								
MAINTENACE											
Maintenance Required											
Maintenance Performe	<u> </u>			X							
Additional Comments				X							