

October 5, 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 IIW Mine (C 1982-057)

Ms. Reilley:

Enclosed are the 3<sup>rd</sup> quarter 2022 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

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

Miranda Kawcak	10/05/2022	
Miranda Lynn Kawcak	Date	
00 D E No 50440		



Mining Area	Seneca II West Mine	Facility C	onfiguration	Cross	-Vally Pond						
Date Inspected	9/13/2022	Date Las	t Inspected	6/	20/2022						
Impoundment	Pond #006	Pond	Location	NW¼ NW¼,	Sec. 22, T5N, R88W	Quai	rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 006	Site I	Location	cation 8 mi. S of Hayden, CO		_					
Owner's Rep	Miranda Kawcak	Ins	pector	Mirar	nda Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE				BLEM		COMMENTS				
			YES (Al	oove)	NO (Belo	w)					
GENERAL											
`	r below principal spillw	ay)	X								
Existing Embankment	Freeboard (7.5 ft)		7.5								
Outflow (gpm)			X				~30 GPM				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					X						
Spillway Erosion					Х						
Burrows					X						
Other					Х						
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides					Х						
Seepage	Seepage				X						
Other				Х							
STRUCTURES											
Principal Spillway											
Clogged Orifice					X						
Clogged or Damag					X						
	Damaged Headgate				NA						
Emergency Spillway											
Erosion					Х						
Riprap					X						
Clogged or Damage	ed Culvert				Х						
Other					Х						
MAINTENACE											
Maintenance Required					Х		Big sluff on S. side above pond on hill, currently not affecting				
Maintenance Performe					Х		pond				
Additional Comments			X								

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	Vally Pond							
Date Inspected	9/13/2022	Date La	st Inspected	6/2	6/20/2022							
Impoundment	Pond #015	Pond	Location NE% SE%, Se		NE¼ SE¼, Sec. 23, T5N, R88W		<b>Quarterly Impoundment Inspection Form</b>					
NPDES ID No	CO-0000221 D.P. 015	Site 1	Location			<b>C</b>						
Owner's Rep	Miranda Kawcak	Ins	pector	Miran	da Kawcak							
•	Mark or Write in Appropriate Response:											
	FEATURE			PRO	BLEM	•	COMMENTS					
			YES (Ab	ove)	NO (Belo	ow)						
GENERAL												
Water Level (above or	below principal spillwa	ay)			X							
Existing Embankment	Freeboard (4.0 ft)		4.2 F	Т								
Outflow (gpm)					X		0 GPM					
EROSION												
Rills & Gullies on Em	bankment				X							
Wave Erosion					X							
Spillway Erosion					X X							
Burrows	Burrows											
	Other			X								
STRUCTURAL												
Differential Settling					X							
Cracks or Slides		X										
Seepage				X								
	Other				X							
STRUCTURES												
Principal Spillway			1	1								
Clogged Orifice					X							
Clogged or Damag					X							
	Damaged Headgate		NA									
	Emergency Spillway											
Erosion					X							
Riprap					X							
	Clogged or Damaged Culvert			X								
Other					X							
MAINTENACE			ı	- 1		ı						
Maintenance Required					X							
Maintenance Performe					X							
Additional Comments					Х							

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-V	/ally Pond							
Date Inspected	9/13/2022	Date La	st Inspected	6/20	0/2022							
Impoundment	Pond #016	Pond	Location	NE¼ SE¼, Sec. 27, T5N, R88W Qual		Qua	rterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 016	Site	Location	8 mi. S of Hayden, CO								
Owner's Rep	Miranda Kawcak	Ins	pector	Mirand	la Kawcak							
Mark or Write in Appropriate Response:												
	FEATURE			PROB	LEM		COMMENTS					
			YES (Ab	oove)	NO (Bo	elow)						
GENERAL	GENERAL											
`	r below principal spillw	/ay)	Х									
Existing Embankmen	t Freeboard (6.8 ft)		6.8									
Outflow (gpm)			X				~25 gpm					
EROSION												
Rills & Gullies on En	nbankment				Х							
Wave Erosion					Х							
Spillway Erosion					X							
Burrows					Х							
Other					Х							
STRUCTURAL												
Differential Settling					Х							
Cracks or Slides					Х							
Seepage					X							
Other					X							
STRUCTURES												
Principal Spillway												
Clogged Orifice					Х							
Clogged or Damag					Х							
Damaged Headgat	e				N.A	١						
Emergency Spillway					1							
Erosion					Х							
Riprap					Х							
Clogged or Damag	ed Culvert				Х							
Other					Х							
MAINTENACE												

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Maintenance Required

Maintenance Performed Additional Comments

Mining Area	Seneca II West Mine	Facility (	Configuration	Cross-	Vally Pond							
Date Inspected	9/13/2022	•	st Inspected		20/2022							
Impoundment	Pond #017		•		ec. 34, T5N, R88W	Ouai	rterly Impoundment Inspection Form					
NPDES ID No	CO-0000221 D.P. 017		Location		f Hayden, CO	Zum	iteriy impoundment inspection i orm					
Owner's Rep	Miranda Kawcak		spector		da Kawcak							
•	Mark or Write in Appropriate Response:											
	FEATURE				BLEM		COMMENTS					
			YES (Ab	ove)	NO (Belo	ow)						
GENERAL												
	r below principal spillw	ay)			Χ							
Existing Embankmen	t Freeboard (3.1 ft)		3.3									
Outflow (gpm)					X		0 GPM					
EROSION												
Rills & Gullies on Em	ıbankment				X							
Wave Erosion					X							
Spillway Erosion					X							
	Burrows			Х								
	Other			X								
STRUCTURAL			1									
Differential Settling					X							
Cracks or Slides				X								
Seepage		X										
Other				X								
STRUCTURES												
Principal Spillway			Г			- 1						
Clogged Orifice	101				X							
Clogged or Damag					X							
Damaged Headgat	e				NA							
Emergency Spillway												
Erosion					X							
Riprap	ad Culvert				X							
Clogged or Damaged Culvert Other				X								
MAINTENACE					X							
Maintenance Required	4		I		Х							
Maintenance Perform					X							
Additional Comments					X							
Additional Comments	)				^							

Mining Area	Seneca II West Mine	Facility Configuration		Stockpond							
Date Inspected	9/13/2022	Date Last Inspected		6/23/2022							
Impoundment	T-2	Pond	Location NW4SW4,		Sec 22, T5N, R88W	Qua	rterly Impoundment Inspection Form				
NPDES ID No	N/A	Site	Location 8 mi S o		8 mi S of Hayden, CO						
Owner's Rep	Miranda Kawcak	Ins	spector	Miran	ıda Kawcak						
Mark or Write in Appropriate Response:											
	FEATURE				BLEM		COMMENTS				
			YES (Ab	ove)	NO (Bel	ow)					
GENERAL											
Water Level (above or	below principal spillwa	ay)			X		Small Pool of water				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows					Х						
Other					Х						
STRUCTURAL			1								
_	Differential Settling				X						
	Cracks or Slides										
Seepage					Х						
Other					Х						
STRUCTURES											
Principal Spillway			ı								
Clogged Orifice	101				NA						
Clogged or Damag					NA NA						
Damaged Headgate	2				NA						
Emergency Spillway Erosion			I								
					X						
1 1	Riprap Clogged or Damaged Culvert		X								
Other				NA X							
MAINTENACE											
Maintenance Required	1		I		Х						
Maintenance Performe					X						
Additional Comments					X						
Additional Comments					^						

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ockpond						
Date Inspected	9/13/2022		st Inspected	6/23/2022							
Impoundment	T-3	-1	Location	NW¼SE¼, Sec 22, T5N, R88W		Quai	rterly Impoundment Inspection Form				
NPDES ID No	N/A	Site	Location	8 mi S o	8 mi S of Hayden, CO						
Owner's Rep	Miranda Kawcak	Ins	spector		da Kawcak						
Mark or Write in Appropriate Response:											
FEATURE PROBLEM COMMENTS											
			YES (At	ove)	NO (Bel	ow)					
GENERAL											
Water Level (above or	below principal spillw	ay)			Х		2 feet below				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					Х						
Spillway Erosion					Х						
Burrows					Х						
Other					Х						
STRUCTURAL			ı		T						
Differential Settling					Х						
	Cracks or Slides			X							
	Seepage			X							
Other					Х						
STRUCTURES											
Principal Spillway Clogged Orifice			1		N.A.						
	ad Craterant				NA NA						
Clogged or Damage Damaged Headgate					NA NA						
Emergency Spillway	;		l		I NA						
Erosion					Х						
Riprap					X						
Clogged or Damage	d Culvert				NA NA						
Other					X						
MAINTENACE											
Maintenance Required					Х						
Maintenance Performe					Х						
Additional Comments					Х						