

April 10, 2024

Robin Reilley Colorado Division of Reclamation, Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203

RE: Seneca II West Mine, Permit C-1982-057, First Quarter 2024 IIR

CDRMS-

In accordance with Rule 4.05.9(17), please find enclosed the Seneca II West Mine (SIIW) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL). Please contact me with any comments and/or questions.

Best regards,

Miranda Kawcak

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Enclosure: SIIW 1Q24 IIR

Mining Area	Seneca II West Mine	Facility C	onfiguration	Cross	s-Vally Pond						
Date Inspected	3/26/2024	Date Las	st Inspected	11	11/6/2023						
Impoundment	Pond #006	Pond	•		N¼ NW¼, Sec. 22, T5N, R88W		rterly Impoundment Inspection Form				
NPDES ID No	CO-0000221 D.P. 006	Site I	Location	8 mi. S d	of Hayden, CO	•					
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden						
•	Mark or Write in Appropriate Response:										
	FEATURE				DBLEM	•	COMMENTS				
			YES (Al	bove)	NO (Belo	w)					
GENERAL											
Water Level (ft above	or below principal spill	way)	Х				0.1 FT				
Existing Embankment	Freeboard (7.5 ft)		Х				7.4 FT				
Outflow (gpm)			Х				32.3 GPM				
EROSION											
Rills & Gullies on Em	bankment				Х						
Wave Erosion					X						
Spillway Erosion					X						
Burrows					Χ						
Other			X								
STRUCTURAL											
Differential Settling					Х						
Cracks or Slides					Х						
Seepage					X						
Other					Х						
STRUCTURES											
Principal Spillway											
Clogged Orifice					Х						
Clogged or Damag					Х						
Damaged Headgate					NA						
Emergency Spillway			Ī		T						
Erosion					Х						
Riprap					Х						
	Clogged or Damaged Culvert				X						
Other					Х						
MAINTENACE					T						
Maintenance Required					Х						
Maintenance Performe	ed				Х		SNOW COVERED.				
Additional Comments			Х								

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	Vally Pond					
Date Inspected	3/26/2024		st Inspected		11/6/2023					
Impoundment	Pond #015		•		NE¼ SE¼, Sec. 23, T5N, R88W		Quarterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P. 015	Site 1	Location	8 mi. S o	f Hayden, CO	Z	- · · · · · · · · · · · · · · · · · · ·			
Owner's Rep	Miranda Kawcak	Ins	pector		n Herden					
,	Mark or Write in Appropriate Response:									
	FEATURE				BLEM		COMMENTS			
			YES (Ab	ove)	NO (Belo	ow)				
GENERAL										
Water Level (ft above	or below principal spill	way)			Χ		1.0 FT			
Existing Embankment	Freeboard (4.0 ft)				Χ		3 FT			
Outflow (gpm)					X		0 GPM			
EROSION										
Rills & Gullies on Em	bankment				Χ					
Wave Erosion					Χ					
Spillway Erosion			X							
Burrows				X						
Other				X						
STRUCTURAL										
Differential Settling					X					
Cracks or Slides					X					
Seepage					X					
	Other			X						
STRUCTURES										
Principal Spillway										
Clogged Orifice					X					
Clogged or Damage					X					
Damaged Headgate					NA					
Emergency Spillway			T	-						
Erosion					X					
Riprap					X					
Clogged or Damaged Culvert			X							
Other					X					
MAINTENACE			1							
Maintenance Required					X					
Maintenance Performe					X		SNOW COVERED.			
Additional Comments					X					

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond			
Date Inspected	3/26/2024	Date Last Inspected	11/6/2023			
Impoundment	Pond #016	Pond Location	NE¼ SE¼, Sec. 27, T5N, R88W			
NPDES ID No	CO-0000221 D.P. 016	Site Location	8 mi. S of Hayden, CO			
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden			
Mark or Write in Appropr						

Quarterly Impoundment Inspection Form

Owner's Rep	Miranda Kawcak	Inspector	Jason Herder		
		Mark	or Write in App	ropriate Respo	
F		PROBLEM		COMMENTS	
		YES (A	bove)	NO (Below)	
GENERAL					
Water Level (ft above or					0.1 FT
Existing Embankment F	reeboard (6.8 ft)	X			6.7 FT
Outflow (gpm)		X			23.7 GPM
EROSION			, in the second second		
Rills & Gullies on Emba	nkment			Χ	
Wave Erosion				Χ	
Spillway Erosion				Χ	
Burrows				Χ	
Other				X	
STRUCTURAL			, in the second second		
Differential Settling				Χ	
Cracks or Slides				Χ	
Seepage				Χ	
Other				Χ	
STRUCTURES					
Principal Spillway					
Clogged Orifice				Χ	
Clogged or Damaged	Culvert			Χ	
Damaged Headgate				NA	
Emergency Spillway					
Erosion				Χ	
Riprap				Χ	
Clogged or Damaged	Culvert			Χ	
Other				Χ	
MAINTENACE					
Maintenance Required				Χ	
Maintenance Performed				Χ	SNOW COVERED.
Additional Comments				Χ	

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	Vally Pond				
Date Inspected	3/26/2024	Date Last Inspected		11/6/2023					
Impoundment	Pond #017		Location		ec. 34, T5N, R88W	Ona	rterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 017	Site	,		8 mi. S of Hayden, CO		reerly impoundment inspection form		
Owner's Rep	Miranda Kawcak	Ins	pector		n Herden				
о населения	Mark or Write in Appropriate Response:								
	FEATURE		2,2002	PROI	BLEM	P	COMMENTS		
			YES (Ab	ove)	NO (Belo	ow)			
GENERAL			,	,		,			
Water Level (ft above	or below principal spill	way)			Х		0.1 FT		
Existing Embankment	Freeboard (3.1 ft)	• /			Х		3.2 FT		
Outflow (gpm)	` ′		0		Х		0 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					X				
Other			X						
STRUCTURES									
Principal Spillway									
Clogged Orifice					X				
Clogged or Damage					X				
Damaged Headgate			NA						
Emergency Spillway			•						
Erosion					X				
Riprap					X				
Clogged or Damaged Culvert									
Other					X				
MAINTENACE				ı					
Maintenance Required					X				
Maintenance Performe					X		SNOW COVERED.		
Additional Comments					X				

Date Inspected Impoundment Stock Tank T-2 Stock Tank T-2 N/A N/A Miranda Kawcak N/A Miranda Kawcak	Mining Area	Seneca II West Mine	Facility C	onfiguration	Sto	ockpond						
NPDES ID No	Date Inspected	3/26/2024	Date Las	st Inspected	11/6/2023							
NPDES ID No		Stock Tank T-2	Pond	Location	NW¼SW¼, 9	Sec 22, T5N, R88W	Oua	rterly Impoundment Inspection Form				
Mark or Write in Appropriate Response:		N/A	Site I	Location			C					
Mark or Write in Appropriate Response:	Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden						
FEATURE	•	Mark or Write in Appropriate Response:										
Water Level (ft above or below principal spillway) X		FEATURE					-					
Water Level (ft above or below principal spillway) X EROSION X Rills & Gullies on Embankment X Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL X Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway				YES (Ab	ove)	NO (Bel	ow)					
EROSION Rills & Gullies on Embankment X Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway	GENERAL											
X	Water Level (ft above	or below principal spill	way)			Х						
Wave Erosion X Spillway Erosion X Burrows X Other X STRUCTURAL Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway NA Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway NA	EROSION											
Spillway Erosion		oankment				X						
Na	Wave Erosion					Х						
Other X STRUCTURAL Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway	1 "					Х						
STRUCTURAL Differential Settling X Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway						Х						
Differential Settling Cracks or Slides X Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert Damaged Headgate NA Emergency Spillway	=					Х						
Cracks or Slides Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert Damaged Headgate Emergency Spillway Clogged Orifice NA Damaged Headgate												
Seepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway	-											
Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway												
STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway												
Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway				X								
Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway												
Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway						T						
Damaged Headgate NA Emergency Spillway												
Emergency Spillway												
						NA						
			1		1							
Erosion X												
Riprap X	* *	1 C-1										
Clogged or Damaged Culvert NA Other X		a Cuivert										
Other X MAINTENACE	=					<u> </u>						
Maintenance Required X Maintenance Performed X SNOW COVERED.								SNOW COVERED				
Additional Comments X SNOW COVERED.		a.						SINOVI COVERED.				

Mining Area	Seneca II West Mine	Facility (Configuration	Sto	ckpond					
Date Inspected	3/26/2024	Date La	st Inspected	11/6/2023						
Impoundment	Stock Tank T-3	Pond	Location	NW¼SE¼, Sec 22, T5N, R88W		Oua	rterly Impoundment Inspection Form			
NPDES ID No	N/A	Site	Location		f Hayden, CO	Zun	Titelly impoundment inspection form			
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden					
	Mark or Write in Appropriate Response:									
	FEATURE PROBLEM COMMENTS									
			YES (At	oove)	NO (Bel	ow)				
GENERAL										
Water Level (above or	below principal spillwa	ay)			Х					
EROSION										
Rills & Gullies on Eml	oankment				Х					
Wave Erosion					Х					
Spillway Erosion					X					
Burrows	Burrows			Х						
Other					Х					
	STRUCTURAL									
Differential Settling			X							
	Cracks or Slides			X						
Seepage				X						
Other					Х					
STRUCTURES										
Principal Spillway			1							
Clogged Orifice	101				NA					
	Clogged or Damaged Culvert			NA NA						
Damaged Headgate			NA							
Emergency Spillway Erosion			1		V					
	Riprap				X					
	Clogged or Damaged Culvert									
Other	u Cuiveit			NA X						
MAINTENACE										
Maintenance Required			1		Х					
Maintenance Performe					X		SNOW COVERED.			
Additional Comments					X					

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2023-086 (PSCM), 2023-087 (SCC)
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FLOW DATA

FLOW DA	Γ A						
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	3- 76-24	0.6	A PO	3.1 flume slighty tilted	X
003	Sage Creek	Sage Creek	3.76.79	0.1	1000 2.1	5 now covered	N
Lower Sump	Sage Creek	Sage Creek	3.77.84	0.2	98.6	Snow covered	N
Pecoco	Sage Creek	Sage Creek	7-27-24	0,7	£9,7	snow covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-२7- र4	CORP		Snow Covered, foren	\mathcal{N}
Portal Sump 2	Sage Creek	Sage Creek	3-87-24	_		snow covered	N
Spill Control 2	Sage Creek	Sage Creek	3-27-24	-	_	Snow covered	N
Truck Wash	Sage Creek	Sage Creek	3-27-24)		snow covered, Dry	\mathcal{N}
Upper Sump	Sage Creek	Sage Creek	3-27-24	0,1	73	Snow Covered	N
006	Seneca	Seneca II West	27674	0.1	37.3	grow covered	N
015	Seneca	Seneca II West	3-26-24	-1.0		Snow coreied	\mathcal{N}
016	Seneca	Seneca II West	3-26.24	0.1	33.7	snow covered	N
017	Seneca	Seneca II West	3-84-24	-0.1	_	Snow Grerel	\mathcal{N}
T-2	Seneca	Seneca II West	3-74-24	~		winter	
T-3	Seneca	Seneca II West	3-86.84		_	winter	~
010	Seneca	Yoast	3~76-74	0.1	9,6	snow covered	N
011	Seneca	Yoast	3-27-74	-8.5	<u> </u>	Snow Covered	N
011A	Seneca	Yoast	3-77-24	_		winter	_
012	Seneca	Yoast	3-86-24	0.)	357	Show Covered	N
012A	Seneca	Yoast	3176-24	2015	~	Snow Covered	N
013	Seneca	Yoast	3.26-24	-0,2	<u>~</u>	Snow Covered	\mathcal{N}
014	Seneca	Yoast	3-26-4	-1.5	\sim	Show Coveled	N

FIELD PERSONNEL: JI	FIELD PERSONNEL SIGNATURE:	
NOTES		

