

July 19, 2022

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

RE: Seneca II W Mine, Permit C-82-057, Second Quarter 2022 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.

Sincerely,

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Enclosure: SIIW IIR

Mining Area	Seneca II West Mine	Facility C	onfiguration	Cross	s-Vally Pond		
Date Inspected	6/20/2022	Date Las			3/23/2022		
Impoundment	Pond #006	Pond	Location	NW¼ NW¼,	Sec. 22, T5N, R88W	Ouai	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 006	Site 1	Location	8 mi. S d	of Hayden, CO	C	- · · · · · · · · · · · · · · · · · · ·
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	on Herden		
•			Mar	k or Write	e in Appropriat	e Respons	se:
	FEATURE			PRC	DBLEM		COMMENTS
			YES (A)	oove)	NO (Belo	w)	
GENERAL							
`	or below principal spill	way)	X				0.1 FT
Existing Embankment	Freeboard (7.5 ft)		X				7.4 FT
Outflow (gpm)			X				63 GPM
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					X		
Spillway Erosion					Х		
Burrows					Х		
Other				X			
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway					1		
Clogged Orifice					Х		
Clogged or Damag					Х		
Damaged Headgate	2				NA		
Emergency Spillway					T		
Erosion					Х		
Riprap	101				X		
Clogged or Damage	ed Culvert				X		
Other					X		
MAINTENACE	1						
Maintenance Required					X		
Maintenance Performe					Х		
Additional Comments			Х				SLUFF ON SOUTH SIDE, NO IMPACT

Mining Area	Seneca II West Mine	Facility (Configuration	Cross-	Vally Pond		
Date Inspected	6/20/2022		Date Last Inspected 3/2		22/2022		
Impoundment	Pond #015				ec. 23, T5N, R88W	Ona	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 015	Site	Location	8 mi. S o	f Hayden, CO	~ ~~~	
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden		
	Se:						
	FEATURE			PRO	BLEM	•	COMMENTS
			YES (At	oove)	NO (Belo	ow)	
GENERAL							
	or below principal spill	way)	X				0.1 FT
Existing Embankment	Freeboard (4.0 ft)		X				3.9 FT
Outflow (gpm)			Х				2.1 GPM
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows				X			
Other				X			
STRUCTURAL			1	ı			
Differential Settling					X		
Cracks or Slides					X		
Seepage							
Other			X				
STRUCTURES							
Principal Spillway			1	1			
Clogged Orifice	101				X		
Clogged or Damage							
Damaged Headgate	2		NA				
Emergency Spillway			П	ı		1	
Erosion					X		
Riprap				X			
	Clogged or Damaged Culvert		X				
Other			<u> </u>		Х		
MAINTENACE	1		1	<u> </u>	V		
Maintenance Required Maintenance Performe					X		
Maintenance Performed Additional Comments					X		
Additional Comments					Х		

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond
Date Inspected	6/20/2022	Date Last Inspected	3/23/2022
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

Quarterly Impoundment Inspection Form

Owner's Rep Miranda Kawcak	Inspector	Jason Herder		
	Marl	k or Write in App	ropriate Respo	
FEATURE		PROBLEM		COMMENTS
	YES (A	Above)	NO (Below)	
GENERAL				
Water Level (ft above or below principal spil	lway)	X		0.1 FT
Existing Embankment Freeboard (6.8 ft))	X		6.7 FT
Outflow (gpm)		X		97 GPM
EROSION		, in the second second		
Rills & Gullies on Embankment			Χ	
Wave Erosion			Χ	
Spillway Erosion			Χ	
Burrows			Χ	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			Χ	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			Χ	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			Χ	
Riprap			Χ	
Clogged or Damaged Culvert			Χ	
Other			X	
MAINTENACE				
Maintenance Required			Х	
Maintenance Performed			Χ	
Additional Comments			Χ	

Mining Area	Seneca II West Mine	Facility (Configuration	Cross-	-Vally Pond					
Date Inspected	6/20/2022		1		23/2022					
Impoundment	Pond #017		Location	SW¼ NE¼, S	ec. 34, T5N, R88W	Oua	rterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P. 017	Site	Location	8 mi. S o	of Hayden, CO	~ ····				
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden					
				or Write	in Appropriat	e Respons	se:			
	FEATURE			PRO	BLEM		COMMENTS			
			YES (At	oove)	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 FT			
Outflow (gpm)			Х				28 GPM			
EROSION										
Rills & Gullies on Em	bankment				X					
Wave Erosion					Х					
Spillway Erosion					X					
Burrows										
Other				X						
STRUCTURAL										
Differential Settling					X					
Cracks or Slides					X					
Seepage					X					
Other			Х							
STRUCTURES										
Principal Spillway										
Clogged Orifice					X					
Clogged or Damag					X					
Damaged Headgate	e			NA						
Emergency Spillway										
Erosion					Х					
Riprap					Х					
Clogged or Damage	ed Culvert				Х					
Other					Х					
MAINTENACE			1							
Maintenance Required					Х					
Maintenance Performe					Х					
Additional Comments					X					

Mining Area	Seneca II West Mine	Facility C	Configuration	Stockpond						
Date Inspected	6/23/2022	Date La	st Inspected	3/2	22/2022					
Impoundment	Stock Tank T-2	Pond	Location	NW¼SW¼, Sec 22, T5N, R88W 8 mi S of Hayden, CO		Oua	Quarterly Impoundment Inspection Forn			
NPDES ID No	N/A	Site 1	Location			Zamitally imposition inspection i of in				
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden					
•				or Write	in Appropriat	e Respons	se:			
	FEATURE				BLEM	•	COMMENTS			
			YES (Ab	ove)	NO (Bel	ow)				
GENERAL										
Water Level (ft above	or below principal spills	way)			Х		DRY			
EROSION										
Rills & Gullies on Eml	bankment				Х					
Wave Erosion					Х					
Spillway Erosion					Х					
Burrows					X					
Other				X						
STRUCTURAL										
Differential Settling					X					
Cracks or Slides					X					
Seepage					X					
Other			X							
STRUCTURES										
Principal Spillway										
Clogged Orifice					NA					
Clogged or Damage					NA					
Damaged Headgate					NA					
Emergency Spillway										
Erosion					Х					
Riprap	Riprap				Х					
Clogged or Damaged Culvert					NA					
Other					Х					
MAINTENACE										
Maintenance Required					Х					
Maintenance Performe					Х					
Additional Comments					Х					

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ckpond		
Date Inspected	3/22/2022		st Inspected	10/27/2021			
Impoundment	Stock Tank T-3	-1	Location	NW%SE%, Sec 22, T5N, R88W		Ouai	rterly Impoundment Inspection Form
NPDES ID No	N/A	Site	Location		f Hayden, CO	Zum	iteriy impoundment inspection i orm
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden		
		l .		or Write	in Appropriat	e Respons	e:
	FEATURE				BLEM	•	COMMENTS
			YES (At	ove)	NO (Bel	ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			Х		3 FT
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows				X			
Other					Х		
STRUCTURAL			T				
Differential Settling				X			
Cracks or Slides				X			
Seepage				X			
Other					Х		
STRUCTURES							
Principal Spillway			1		NA		
Clogged Orifice Clogged or Damage	ad Criticant						
Damaged Headgate				NA			
Emergency Spillway	;		l		NA		
Erosion					Х		
Riprap				X			
Clogged or Damaged Culvert				NA NA			
Other				X			
MAINTENACE							
Maintenance Required					Х		
Maintenance Performe					X		
Additional Comments					Х		

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Services

CLIENT: Peabody

JOB(s): 2021-095 (PSCM), 2021-096 (SCC)

								(N)
OW DATA	COMPANY	MINE	DATE	WATER LEVEL (FT)		OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
- Es		Sage Creek	6-21-33	0,1	1 15	1.8	some natergoing under Aure	N
002	Sage Creek		6.21-27	Maria Control	1 5	2.8	some animal barrows andem	N
003	Sage Creek		6-21-23		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	3.4		N
004	Sage Creek	Sage Creek	55-25-4	THE RESERVE OF THE PERSON NAMED IN	Vindential Confession	6.7		N
Lower Sump	Sage Creek	Sage Creek	4-27-27	and the latest the lat	real materials	37		N
PECOCO	Sage Creek	Sage Creek	6-23-2	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUM			NO Flow not pumpins	
Portal Sump 1	Sage Creek	Sage Creek Sage Creek	4-23-2	THE RESERVE AND PARTY.	.1	_	not pumping	N
Portal Sump 2	Sage Creek		6-23-2			~	747	N
Spill Control 2	Sage Creek		4-23-2	STATE OF THE PARTY NAMED IN		_	Diy	N
Truck Wash	Sage Cree		6-23-2	Marie Williams	.l	101		N
Upper Sump	Sage Cree	Hayden Gulc	No. ISLAND	THE RESERVE	2,1		NO FlOW	N
001	Seneca	Hayden Gulo	THE STATE OF THE		7.9	Ų	NO FIOW	
002	Seneca		est 6-20-		1.0	-	No Flow	N
005	Seneca	Seneca II W	SEASON NUMBER OF STREET		3.1	63	sinffon s, sile, no impact	N
009	Seneca	Seneca II W	lest 6-20-		٦,٦	_	NO FI-W	N
015	Seneca	Seneca II V	Vest 6.20	-22	7.[2.1		N
016	Seneca	Seneca II V			0.1	97		N
017	Seneca	Seneca II V	The second secon	_	0,1	38		N
T-1	Seneca	Seneca II \	Nest 6-23	-32	~		סוט	N
T-18	Seneca	Seneca II '			- 2.4	<u> </u>	NO Flow	N
T-2	Senec				- 3		PIS	N
T-20	Senec		West 6-23	the second second second	-3,2	~	NO Flow	N
T-22	Senec		West 4-2		-1.6	-	NO Flow	N
T-24	Sene		West 6-23	3-22	_		DIY	N
T-25	Sene			3-22	~ 7,3		NO Flow	N



SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
-27	Seneca	Seneca II West	6-23-23	-3.9	٦	No Flow No Flow Outlet Instal, Cat tails No Flow No Flow	N
-2 <i>1</i> [-3	Seneca	Seneca II West	NAME OF TAXABLE PARTY.		-	No Flow	N
T-5	Seneca	Seneca II West			_	NoFland	N
010	Seneca	Yoast	6-20-23	and the second second	14	outlet instal, cat tails	Y
011	Seneca	Yoast	6-2-22			NOFION	N
011A	Seneca	Yoast	6-1-77	-1.7	_	No Flow	N
012	Seneca	Yoast	6.20-28	oil	75		N
012A	Seneca	Yoast	6-20-27	-1,0	_	NO Flow	N
013	Seneca	Yoast	6-2-23	-1.0	~	NO Flow	N
014	Seneca	Yoast	6.20-23	-1.3	~	NO Flow	N
ST-1	Seneca	Yoast	6-23-22	-1.6	_	NO Flow	N

NOTES