

July 19, 2023

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, Second Quarter 2023 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 2Q23 IIR

Mining Area	Seneca II West Mine	Facility (onfiguration	Cross	-Vally Pond		
Date Inspected	6/26/2023	Date Last Inspected			21/2023		
Impoundment	Pond #006		Location	NW¼ NW¼, Sec. 22, T5N, R88W		Onai	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 006		Location	8 mi. S of Hayden, CO		Quai	recity impoundment inspection form
Owner's Rep	Miranda Kawcak		pector		Jason Herden		
Owner s Kep	IVIII aliua Kawcak	1113			e in Appropriate	Resnons	ço•
	FEATURE		IVIAI.		OBLEM	CICSPOIIS	COMMENTS
			YES (At	oove)	NO (Belo	w)	
GENERAL			`		,		
Water Level (ft above	or below principal spil	lway)	Х				0.1 FT
Existing Embankmen		37	Х				7.4 FT
Outflow (gpm)	,		Х				86.0 GPM
EROSION			•				
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows			X		Х		
Other				X			
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides			X				
Seepage			X				
Other			X				
STRUCTURES							
Principal Spillway					T		
Clogged Orifice					Х		
Clogged or Damag					Х		
Damaged Headgat	e				NA		
Emergency Spillway			T		Т		
Erosion					X		
1 1	Riprap				X		
	Clogged or Damaged Culvert			X			
Other			<u> </u>		X		
MAINTENACE	1						
Maintenance Required Maintenance Perform				X			
					Х		
Additional Comments	1		X				

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	-Vally Pond		
Date Inspected	6/26/2023	Date Last Inspected		3/2	21/2023		
Impoundment	Pond #015	Pond	Location	NE¼ SE¼, Se	NE¼ SE¼, Sec. 23, T5N, R88W		rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 015	Site	Location	8 mi. S o	8 mi. S 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	Ins	spector	Jaso	n Herden		
			Mark	or Write	in Appropriat	e Respons	e:
	FEATURE			PRO	BLEM		COMMENTS
			YES (Ab	oove)	NO (Belo	ow)	
GENERAL							
`	or below principal spill	way)	Х				0.1 FT
Existing Embankment	Freeboard (4.0 ft)		X				3.9 FT
Outflow (gpm)			Х				13.6 GPM
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows			Х				
Other			X				
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides			X				
Seepage			Х				
Other					X		
STRUCTURES							
Principal Spillway			1		•	1	
Clogged Orifice					Х		
Clogged or Damag					X		
Damaged Headgate	2		NA				
Emergency Spillway			1		•	1	
Erosion					Х		
* *	Riprap				Х		
Clogged or Damaged Culvert			X				
Other					Х		
MAINTENACE			ı				
Maintenance Required				Х			
Maintenance Performe					Х		
Additional Comments					Х		

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-V	Cross-Vally Pond		
Date Inspected	6/26/2023	Date La	st Inspected	3/21	1/2023		
Impoundment	Pond #016	Pond	Location	NE¼ SE¼, Sec	c. 27, T5N, R88W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 016	Site 1	Location	8 mi. S of	Hayden, CO	_	
Owner's Rep	Miranda Kawcak	Ins	spector	Jason	Herden		
			Mark	or Write i	n Appropria	ite Respoi	nse:
	FEATURE			PROB			COMMENTS
			YES (A	bove)	NO (Bo	elow)	
GENERAL							
`	e or below principal spil	lway)	Х				0.1 FT
Existing Embankmen	t Freeboard (6.8 ft)		Х				6.7 FT
Outflow (gpm)			Х				71.6 GPM
EROSION							
Rills & Gullies on En	nbankment		X				
Wave Erosion			X				
Spillway Erosion				X			
Burrows							
Other					Х		
STRUCTURAL			T		T		
Differential Settling			X				
Cracks or Slides			X				
Seepage			X				
Other					Х		
STRUCTURES							
Principal Spillway			ı				
Clogged Orifice					X		
Clogged or Damaged Culvert							
Damaged Headgate				NA			
Emergency Spillway			1				
Erosion					X		
Riprap	- 1 C-14				X		
Clogged or Damag	ea Cuivert				X		

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Χ

Other

MAINTENACE

Maintenance Required

Maintenance Performed Additional Comments

3.5	I	Б чи с	7 6 4				
Mining Area		Facility Configuration			-Vally Pond		
Date Inspected	6/26/2023		st Inspected		3/21/2023		
Impoundment	Pond #017		Location		SW¼ NE¼, Sec. 34, T5N, R88W		rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 017		Location		8 mi. S of Hayden, CO		
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden		
			Mark		in Appropriat	e Respons	
	FEATURE				BLEM		COMMENTS
			YES (At	oove)	NO (Bel	ow)	
GENERAL			1				
`	or below principal spil	lway)	X				0.1 FT
Existing Embankmen	t Freeboard (3.1 ft)		Х				3.0 FT
Outflow (gpm)			Х				14.7 GPM
EROSION			T				
Rills & Gullies on En	nbankment				Х		
Wave Erosion					X		
Spillway Erosion			X				
Burrows			X				
Other STRUCTURAL			X				
Differential Settling			I		Х		
Cracks or Slides					X		
Seepage							
Other			X				
STRUCTURES					^		
Principal Spillway							
Clogged Orifice			I		Х		
Clogged or Damag	red Culvert				X		
Damaged Headgat					NA NA		
Emergency Spillway			<u> </u>		INA		
Erosion Erosion			X				
Riprap	<u> </u>				X		
* *	Clogged or Damaged Culvert			X			
Other					X		
MAINTENACE							
Maintenance Require	d				Х		
Maintenance Perform					Х		

Additional Comments

Mining Area	Seneca II West Mine	Facility Configuration		Stockpond			
Date Inspected	6/29/2023	Date Last Inspected		3/21/2023			
Impoundment	Stock Tank T-2	Pond Location		NW¼SW¼, Sec 22, T5N, R88W		Qua	rterly Impoundment Inspection Form
NPDES ID No	N/A	Site	Location	8 mi S of	f Hayden, CO		, ,
Owner's Rep	Miranda Kawcak	Ins	pector	Jaso	n Herden		
			Marl	or Write	in Appropriat	e Respons	e:
	FEATURE			PRO	BLEM		COMMENTS
			YES (Ab	ove)	NO (Belo	ow)	
GENERAL							
	or below principal spill	way)			X		DRY
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows					X		
Other					X		
STRUCTURAL				,			
Differential Settling					Х		
Cracks or Slides					Х		
Seepage				X			
Other				X			
STRUCTURES							
Principal Spillway			ı				
Clogged Orifice						NA	
Clogged or Damag						NA	
Damaged Headgate	2				NA		
Emergency Spillway			ı				
Erosion					X		
* *	Riprap				X		
	Clogged or Damaged Culvert			NA			
Other MAINTENACE					Х		
Maintenance Required	1		l e		V		
Maintenance Required				X			
Additional Comments					X		
Additional Comments					Λ		

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ockpond		
Date Inspected	6/29/2023		st Inspected	3/21/2023			
Impoundment	Stock Tank T-3	-1	Location	NW¼SE¼, Sec 22, T5N, R88W		Ouai	rterly Impoundment Inspection Form
NPDES ID No	N/A	Site	Location		f Hayden, CO	Zum	tori, impoundment inspection i orm
Owner's Rep	Miranda Kawcak	Ins	spector		n Herden		
		l .		or Write in Appropriate Respons			e:
	FEATURE				BLEM	•	COMMENTS
			YES (At	ove)	NO (Bel	ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			Х		2.7 FT
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					X		
Other					Х		
STRUCTURAL			ı		T		
Differential Settling				X			
Cracks or Slides				X			
Seepage				X			
Other					X		
STRUCTURES							
Principal Spillway			1				
Clogged Orifice Clogged or Damage	ad Craterant			NA NA			
Damaged Headgate				NA NA			
Emergency Spillway	;		l		NA		
Erosion					Х		
Riprap	<u> </u>				X		
	Clogged or Damaged Culvert			NA NA			
Other			X				
MAINTENACE			1				
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)

FLOW DA	ΓA						
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-21-27	он	210.8	Some meteroping modelfline	¥
003	Sage Creek	Sage Creek	6-26-23	0.1	٦,٤	Some animal busins	N
004	Sage Creek	Sage Creek	6-26-27	0.1	69.1		N
Lower Sump	Sage Creek	Sage Creek	6-27-23	0.[88.7		N
PECOCO	Sage Creek	Sage Creek	6-28-23	0,[93.6		N
Portal Sump 1	Sage Creek	Sage Creek	6-29-23			NO Flow	~
Portal Sump 2	Sage Creek	Sage Creek	62-52-47	0.1	~	Not Primping	N
Spill Control 2	Sage Creek	Sage Creek	6-54-53	0,3		Not Pringing	N
Truck Wash	Sage Creek	Sage Creek	6-29-23	_		019	N
Upper Sump	Sage Creek	Sage Creek	6-29-33	0.[96.3	3	\sim
001	Seneca	Hayden Gulch	6.27.23	~ 7.7		No Flow	N
002	Seneca	Hayden Gulch	6-21-23	-2,8		NO Flow	\sim
005	Seneca	Seneca II West	6-76-33	-0.4	~	NO FRW	N
006	Seneca	Seneca II West	6-26-2)	0.1	86		N
009	Seneca	Seneca II West	6.26.23	-0,9	~	NO Flow	<i>\(\omega\)</i>
015	Seneca	Seneca II West	6-26-23	0,1	13.6		~
016	Seneca	Seneca II West	6.26.23	0.1	71.4		N
017	Seneca	Seneca II West	6-24.2	0.1	14.7		N
T-1	Seneca	Seneca II West	6-29-47	L.		Dry.	N
T-18	Seneca	Seneca II West	4-27-27	- 7, 3		NoFIN	N
T-2	Seneca	Seneca II West	6-27-23			Dry	N
T-20	Seneca	Seneca II West	6-29-5)	₹0°S		NO Flow	N
T-22	Seneca	Seneca II West	4.29-23	-1.4	~	NO Ffm	N
T-24	Seneca	Seneca II West	6-52-57	~		019	N
T-25	Seneca	Seneca II West	6-29-23		<u> </u>	Dry	N
T-26	Seneca	Seneca II West	6-54-53	-1,9		No Flow	\mathcal{N}



SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	6-29-23	-2.5	-	No flow No flow cutlet instal, cet toils No flow No Flow	N
T-3	Seneca	Seneca II West	6.29-73	-2.7	}	Na flow	N
T-5	Seneca	Seneca II West	6-29-3	-30)	NO FI-W	N
010	Seneca	Yoast	(e. 26-2)	0.1	1,1	cutlet instal, cat tails	¥
011	Seneca	Yoast	4-26-33	-0.9	_	No Flow	N
011A	Seneca	Yoast	6-29-23	-1,5	~	NO FIEW	N
012	Seneca	Yoast	6-26-27	0.1	106		N
012A	Seneca	Yoast	4-29-3	-1.0	~	NO FI-W	N
013	Seneca	Yoast	le-26-23	-0.3		No Flow	N
014	Seneca	Yoast	6-26-33	-018		NO FION	N
ST-1	Seneca	Yoast	6-29-2)	-1.5		NO FIEN	N

FIELD PERSONNEL: 3H	FIELD PERSONNEL SIGNATURE:
NOTES	•
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