

April 19, 2022

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

RE: Yoast Mine, Permit C-94-082, First Quarter 2022 IIR

CDRMS:

In accordance with Rule 4.05.9(17), please find enclosed the Yoast Mine (YM) 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: YM IIR

Mining Area			onfiguration		Valley Pond				
Date Inspected	3/23/2022		st Inspected	10/	27/2021	_			
Impoundment	Pond #010		Location		NW¼ NE¼, Sec. 8, T5N, R87W		rterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 010	Site 1	Location	8.5 mi SE of Hayden, CO					
Owner's Rep	Miranda Kawcak	Ins	pector		n Herden				
			Mark o		Appropriate l	Response:			
	FEATURE				BLEM		COMMENTS		
			YES (At	ove)	NO (Belo	ow)			
GENERAL									
	or below principal spillway)				Х		-0.6		
Existing Embankment	Freeboard (10.1 ft)				9.5				
Outflow (gpm)					X		0.0		
EROSION									
Rills & Gullies on Emb	pankment				Х				
Wave Erosion					Х				
Spillway Erosion				X					
Burrows				X					
Other					Х				
STRUCTURAL					1				
Differential Settling					Х				
Cracks or Slides					X				
Seepage					Х				
Other					X				
STRUCTURES									
Principal Spillway							1		
Clogged Orifice	101				X				
Clogged or Damage					X				
Damaged Headgate					NA				
Emergency Spillway Erosion									
					X				
* *	Riprap			X					
Clogged or Damageo	1 Curvert		<u> </u>						
Other MAINTENACE	Other X								
Maintenance Required					Х		CNOW COVERED		
Maintenance Required Maintenance Performe	al.				X		SNOW COVERED		
Additional Comments	u		X		X		-		
Additional Comments			X						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Co	onfiguration	Cross	s-Vally Pond			
Date Inspected	3/23/2022	Date Las	t Inspected	10	/28/2021			
Impoundment	Pond #011	Pond I	Location	NW¼ SW¼,	Sec. 16, T5N, R87W	Qua	rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P.011	Site L	ocation	8.5 mi SE of Hayden, CO		_	· · ·	
Owner's Rep	Miranda Kawcak	Insp	ector	Jaso	on Herden			
			Mark o		n Appropriate F	Response:		
	FEATURE				BLEM		COMMENTS	
			YES (Ab	oove)	NO (Belo	w)		
GENERAL								
,	or below principal spillway	·)			Х		-2.6	
Existing Embankment	Freeboard (5.1 ft)				2.5			
Outflow (gpm)					Х		0.0	
EROSION								
Rills & Gullies on Em	bankment	_			Х			
Wave Erosion		_			X		ļ	
Spillway Erosion		-			X			
Burrows		-			X		<u> </u>	
Other					Х			
STRUCTURAL								
Differential Settling Cracks or Slides		-			X		 	
		-	X X			1		
Seepage Other		F			X		1	
STRUCTURES					^			
Principal Spillway								
Clogged Orifice					Х			
Clogged or Damage	ed Culvert	-			X		 	
Damaged Headgate		-			NA NA		 	
Emergency Spillway					191			
Erosion					Х			
Riprap		ļ-			X		†	
* *	Clogged or Damaged Culvert			Х		†		
Other					Х			
MAINTENACE								
Maintenance Required					Х		SNOW COVERED	
Maintenance Performe	ed	Ī			Х			
Additional Comments			Х	<u> </u>				

Mining Area	Yoast Mine(Seneca Coal Co)		onfiguration	Cross	S-Vally Pond				
Date Inspected	3/23/2022	Date Las	st Inspected	10,	/27/2021				
Impoundment	Pond #011A		Location	SW¼ NW¼,	Sec. 16, T5N, R87W	Qua	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site I	Location	8.5 mi SE of Hayden, CO		_			
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden					
		-	Mark		n Appropriate F	Response:			
	FEATURE			PRO	BLEM		COMMENTS		
			YES (Ab	oove)	NO (Belo	w)			
GENERAL									
	or below principal spillway)			X				
Existing Embankment	Freeboard (4.6 ft)		4.6						
Outflow (gpm)					Х		0.0		
EROSION									
Rills & Gullies on Eml	oankment				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					ı				
Clogged Orifice					Х				
Clogged or Damage					Х				
Damaged Headgate					NA				
Emergency Spillway		1		1	Т				
Erosion					X				
* *	Riprap				X				
Clogged or Damaged Culvert			X						
Other				X					
MAINTENACE					ı				
Maintenance Required				X			SNOW COVERED		
	Maintenance Performed		Х			_			
Additional Comments	go = 2.1 foot bolow top of r		X						

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	s-Vally Pond		
Date Inspected	3/22/2022	Date Las	st Inspected	10,	/27/2021		
Impoundment	Pond #012	Pond	Location	NE¼ NW¼,	Sec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 012	Site I	Location	8.5 mi SE	of Hayden, CO	_	
Owner's Rep	Miranda Kawcak	Ins	nspector Jason Herden				
			Response:				
	FEATURE				OBLEM		COMMENTS
			YES (At	oove)	NO (Belo	w)	
GENERAL							
Water Level (ft above of	or below principal spillway)	١	X				0.1
Existing Embankment	Freeboard (9.0 ft)		8.9				
Outflow (gpm)			X				44.7
EROSION							
Rills & Gullies on Emb	ankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows			X				
Other			X				
STRUCTURAL							
Differential Settling					X		
Cracks or Slides					X		
Seepage					Х		
Other				X			
STRUCTURES							
Principal Spillway							<u></u>
Clogged Orifice					X		
Clogged or Damage	d Culvert				Х		
Damaged Headgate					NA		
Emergency Spillway			Ī		T		T
Erosion					Х		
Riprap					Х		
Clogged or Damageo	d Culvert			X			
Other					Х		
MAINTENACE							
Maintenance Required					Х		SNOW COVERED
Maintenance Performed	d				Х		
Additional Comments			X				

Mining Area	Yoast Mine(Seneca Coal Co)	acility Co	nfiguratio	Cross-	-Vally Pond					
Date Inspected	3/22/2022	Date Last	Inspected	10/	27/2021					
Impoundment	Pond #012A	Pond L	ocation	NE¼ NW¼,S	ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form			
NPDES ID No	N/A	Site Lo	ocation	8.5 mi SE of Hayden, CO			V 1			
Owner's Rep	Miranda Kawcak	Insp	ector	Jason Herden						
			Mark		in Appropriate	e Respons	e:			
	FEATURE				OBLEM		COMMENTS			
			YES (Above)	NO (Bel	ow)				
GENERAL										
`	or below principal spillway)			X		-1.7			
Existing Embankment	Freeboard (4.6 ft)				2.9					
Outflow (gpm)					Х		0.0			
EROSION			1							
Rills & Gullies on Em	bankment				Х					
Wave Erosion					X					
Spillway Erosion					Х					
Burrows					Х					
Other					Х					
STRUCTURAL			1							
Differential Settling					Х					
Cracks or Slides			X							
Seepage				X						
Other				X						
STRUCTURES										
Principal Spillway			ı	1		1				
Clogged Orifice	101				Х					
Clogged or Damage					X					
Damaged Headgate					NA					
Emergency Spillway Erosion			1		v					
					X X					
* *	Riprap									
Clogged or Damaged Culvert			X							
	Other X									
MAINTENACE			I		v		CNOW COVERED			
Maintenance Required Maintenance Performe					X		SNOW COVERED			
Additional Comments	eu .		,	X	Х					
Additional Comments			,	۸						

Mining Area			onfiguration		-Vally Pond			
Date Inspected	3/22/2022		t Inspected		27/2021	•		
Impoundment	Pond #013		Location		ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form	
NPDES ID No	CO-0000221 D.P. 013				of Hayden, CO			
Owner's Rep	Miranda Kawcak	Ins	pector		n Herden			
			Mark o		Appropriate l	Response:		
	FEATURE		PROBLEM				COMMENTS	
			YES (At	ove)	NO (Belo	ow)		
GENERAL					1			
	or below principal spillway)				X		-1.3	
Existing Embankment	Freeboard (4.0 ft)				2.7			
Outflow (gpm)					Х		0.0	
EROSION					ı			
Rills & Gullies on Emb	pankment				X			
Wave Erosion					Х			
Spillway Erosion					X			
Burrows					X			
Other					X			
STRUCTURAL					T			
Differential Settling		ļ			Х			
Cracks or Slides		ļ			X			
Seepage					X			
Other					X			
STRUCTURES								
Principal Spillway		-			T			
Clogged Orifice		ļ			X			
Clogged or Damage		ļ			Х			
Damaged Headgate					NA			
Emergency Spillway								
Erosion		ļ			X			
Riprap		ļ			X			
Clogged or Damageo	d Culvert	<u> </u>			X			
Other					X			
MAINTENACE					T			
Maintenance Required		ļ			X		SNOW COVERED	
Maintenance Performe	d				X		_	
Additional Comments			Х					

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration		Cross-	Vally Pond		
Date Inspected	3/22/2022	Date La	st Inspected	10/2	27/2021		
Impoundment	Pond #014	Pond	Location	NE¼ SW¼, Se	ec. 19, T5N, R87W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 014	Site 1	Location	8.5 mi SE	of Hayden, CO	_	• •
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden			
			Mark o	r Write in	Appropriate R	esponse:	
	FEATURE			PROI			COMMENTS
			YES (At	oove)	NO (Belo	ow)	
GENERAL							
	or below principal spillway)				X		-2.0
Existing Embankment l	Freeboard (6.8 ft)				4.8		
Outflow (gpm)					X		0.0
EROSION							
Rills & Gullies on Emb	ankment				X		
Wave Erosion					Х		
Spillway Erosion				X			
Burrows					Х		
Other					Х		
STRUCTURAL			ı				
Differential Settling					X		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway			T				
Clogged Orifice					Х		
Clogged or Damage	d Culvert				Х		
Damaged Headgate					NA		
Emergency Spillway			ı				
Erosion					X		
	Riprap			X			
Clogged or Damaged	i Culvert				X		
Other					X		
MAINTENACE			ı				
Maintenance Required					X		SNOW COVERED
Maintenance Performed	d				X		
Additional Comments			Х				

Date Inspected Impoundment StockTankST-1 Name StockTankST-1 Name Name	Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration		Stockpond					
NPDES ID No	Date Inspected	10/27/2021	Date La	st Inspected	9/:	23/2021				
NPDES ID No	Impoundment	Stock Tank ST-1	Pond	Location	SW¼ Sec.	. 20, T5N, R87W	Quai	rterly Impoundment Inspection Form		
Mark or Write in Appropriate Response:	NPDES ID No	N/A	Site	Location	cation 8.5 mi SE of H		•			
FEATURE	Owner's Rep	Miranda Kawcak	Ins	spector	Jaso	on Herden				
YES (Above) NO (Below) Selection NO (Below) Selection Se				Mark or			Response:			
Water Level (ft above or below principal spillway) X		FEATURE			PROBLEM			COMMENTS		
Water Level (ft above or below principal spillway)				YES (Ab	ove)	NO (Belo	ow)			
Rils & Gullies on Embankment										
Rills & Gullies on Embankment		or below principal spillway)	<u> </u>			X				
X				1		1				
Spillway Erosion X Burrows X Other X STRUCTURAL Differential Settling X Cracks or Slides X Scepage X Other X STRUCTURES Principal Spillway Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert NA Other X Maintenance Required X Maintenance Performed X		bankment								
Na										
Other X STRUCTURAL X 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 X Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X SNOW COVERED										
STRUCTURAL										
X						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 Erosion X Riprap X Clogged or Damaged Culvert NA Other X MaINTENACE Maintenance Required X Maintenance Performed X SNOW COVERED				1		1				
Seepage X Other X STRUCTURES Principal Spillway NA Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X										
Other X STRUCTURES Principal Spillway NA Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X SNOW COVERED										
STRUCTURES Principal Spillway NA Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X										
Principal Spillway Clogged Orifice				x						
Clogged Orifice NA Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X										
Clogged or Damaged Culvert NA Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X				1		N/A				
Damaged Headgate NA Emergency Spillway X Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE Maintenance Required X Maintenance Performed X		ad Culwert								
Emergency Spillway										
Erosion X Riprap X Clogged or Damaged Culvert NA Other X MAINTENACE X Maintenance Required X Maintenance Performed X						INA				
X						v				
NA										
Other X MAINTENACE X SNOW COVERED Maintenance Required X SNOW COVERED Maintenance Performed X SNOW COVERED	* *	d Culvert								
MAINTENACE Maintenance Required Maintenance Performed X SNOW COVERED X										
Maintenance Required X SNOW COVERED Maintenance Performed X										
Maintenance Performed X				1		X		SNOW COVERED		
	Additional Comments			Х						

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Services CLIENT: Peabody JOB(s): 2021-095 (PSCM), 2021-096 (SCC)

FLOW DATA

FLOW DAT	A					T .	1
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	3-22-28	0,4	32,7	Trater Flowing under Flame	У
003	Sage Creek	Sage Creek	75-55- 5		1,0	Snow covered	N
004	Sage Creek	Sage Creek	3-35-35	0,1	36.4	Snow Covered	N
Lower Sump	Sage Creek	Sage Creek	3.85-33	OB	134	SHOW COVERED	N
PECOCO	Sage Creek	Sage Creek	3.≥₹~≥₹	0,3	107	SNOW Covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-22-22	1	~	Snow Covered Frozen	N
Portal Sump 2	Sage Creek	Sage Creek	3-52-22	_		Show Covered	N
Spill Control 2	Sage Creek	Sage Creek	3-25-55	-	-	Snow Coveled	N
Truck Wash	Sage Creek	Sage Creek	25255	~	~	פוס	N
Upper Sump	Sage Creek	Sage Creek	2- 52-52	०,२	اد	Snow Covered	N
001	Seneca	Hayden Gulch	3-3222		2	Snow Covered	N
002	Seneca	Hayden Gulch	3-22-2 2	~	_	Snow Covered	N
005	Seneca	Seneca II West	3-23-55	-51	_	Show Covered	N
006	Seneca	Seneca II West	3-73-29	30.	26.3	Snow covered	N
009	Seneca	Seneca II West	3-5556	-4.0	_	SHOW Covered	N
015	Seneca	Seneca II West	3-25-55	-1,0		Snow Guerad	N
016	Seneca	Seneca II West	3-53-53	0,1	27.7	Show Covered	N
017	Seneca	Seneca II West	3 - २३.१९	-0.6		show covered	N
T-1	Seneca	Seneca II West	7-22,25	~		winter	
T-18	Seneca	Seneca II West	30 82.28	_	J	winter	
T-2	Seneca	Seneca II West	3-85-32		_	winter	U
T-20	Seneca	Seneca II West	3-22-32	_		winter	
T-22	Seneca	Seneca II West	3.22-22	-)	winter	- U
T-24	Seneca	Seneca II West	3-22-22			n in fer	U
T-25	Seneca	Seneca II West	3-22-27	-	_	winter	~
T-26	Seneca	Seneca II West	2-25-25	_)	winger	



SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	3-25-55	~	-	Winter	_
T-3	Seneca	Seneca II West	3-22-22	_	~	winder	_
T-5	Seneca	Seneca II West	3-55-51	~	~	winter	
010	Seneca	Yoast	3-33-22	-0.6	~	Snow Covered	N
011	Seneca	Yoast	3-23-23	- 7.6	-	Snow covered	\sim
011A	Seneca	Yoast	३ - २३-३२	_		winter	
012	Seneca	Yoast	3-22-23	0.1	44,7	Snow Covered	A
012A	Seneca	Yoast	3-22-22	-1,7	_	snow Guered	N
013	Seneca	Yoast	3-52-53	-1,3	~	Snow Coulted	N
014	Seneca	Yoast	3-22-28		~	Sun Covered	N
ST-1	Seneca	Yoast	3-22-28	~)	winter	

FIELD PERSONNEL:	FIELD PERSONNEL SIGNATURE:

NOTES			
		_	

