

## **Seneca Coal Company**

July 18, 2020

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

RE: Seneca II W Mine, Permit C-82-057, Second Quarter 2020 IIR

Dear Robin:

In accordance with Rule 4.05.9(17), please find enclosed the Seneca II West Mine Impoundment Inspection Reports (IIR) and Impoundment Inspection Log (IIL) for Ponds:

Pond #005, Pond #006, Pond #009, Pond #015, Pond #016, Pond #017

and Stock Tanks:

• Stock Tank T-2, Stock Tank T-3, Stock Tank T-5, Stock Tank T-18, Stock Tank T-20, Stock Tank T-22, Stock Tank T-24, Stock Tank T-25, Stock Tank T-26 and Stock Tank T-27.

Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak Environmental Manager

Enclosure: Seneca II W IIR

Mining Area	Seneca II West Mine	Facility C	onfiguration	Cross	-Vally Pond		
Date Inspected	6/1/2020	Date Las	st Inspected	3,	/2/2020		
Impoundment	Pond #005	Pond	Location	NW¼ SW¼,	Sec. 10, T5N, R88W	Qua	rterly Impoundment Inspection Form
NPDES ID No	CMLRD Permit No. C-82-057	Site I	Location	8 mi. S	of Hayden, CO	•	
Owner's Rep	Ins	pector	Jaso	on Herden			
			Mark	or Write	in Appropriate	Response	:
	FEATURE				BLEM		COMMENTS
			YES (At	oove)	NO (Belo	ow)	
GENERAL							
,	below principal spillway)		Х				Water level .05 feet above spillway
Existing Embankment	Freeboard (7.4 ft)		8.4				
Outflow (gpm)			X				53.8
EROSION							
Rills & Gullies on Em	bankment	ļ			Х		
Wave Erosion		ļ			Х		
Spillway Erosion					Х		_
Burrows					Х		_
Other					Х		
STRUCTURAL							
Differential Settling					X		-
Cracks or Slides					X		-
Seepage Other					X X		-
STRUCTURES					Α		
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damage	ed Culvert				X		
Damaged Headgate					NA NA		-
Emergency Spillway	•				I IVA		1
Erosion					Х		
Riprap		ŀ			X		-
Clogged or Damage	d Culvert				Х		1
Other					Х		
MAINTENACE							
Maintenance Required					Х		Spring at dam, no impact
Maintenance Performe	ed				Х		
Additional Comments			X				

Mining Area	Seneca II West Mine	Facility C	onfiguration	Cross	-Vally Pond		
Date Inspected	6/1/2020	Date Las	st Inspected	3/	/2/2020		
Impoundment	Pond #006	Pond	Location NW% NW%, Sec. 22, T5N, R88W			Quai	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		
			Mar		in Appropriate	e Respons	
	FEATURE				BLEM		COMMENTS
			YES (Al	oove)	NO (Belo	w)	
GENERAL							
,	r below principal spillw	ay)	Х				water level 0.1 feet above spillway
Existing Embankment	t Freeboard (7.5 ft)		7.5				
Outflow (gpm)			Х				192.3
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					X		
Other					Х		
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damag	•				Х		
Damaged Headgate	e				NA		
Emergency Spillway		1		1		1	
Erosion					X		
Riprap	101				X		
Clogged or Damage	ed Culvert				X		
Other					X		
MAINTENACE	1				.,		
Maintenance Required					X		Sluff on south side above pond on hill, currently not affecting
Maintenance Perform			.,		Х		pond. Will continue to monitor.
Additional Comments			X				

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	Vally Pond		
Date Inspected				3/2/2020			
Impoundment					ec. 11, T5N, R88W	Ouai	rterly Impoundment Inspection Form
			Location	8 mi. S o	f Hayden, CO	Q 02002	
			pector	Jasoi	n Herden		
•	Marl	or Write	in Appropriat	e Respons	e:		
	FEATURE			BLEM	•	COMMENTS	
			YES (At	oove)	NO (Belo	ow)	
GENERAL							
Water Level (above or	below principal spillwa	ay)			Х		Water level 0.3 feet below top of pipe
Existing Embankment	Freeboard (6.9 ft)		10.4	ļ			
Outflow (gpm)					Х		0
EROSION							
Rills & Gullies on Em	bankment				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					X		
Clogged or Damag					X		
Damaged Headgate	2				NA		
Emergency Spillway			1			1	
Erosion					X		
Riprap					X		
Clogged or Damage	ed Culvert				X		
Other			l		X		
MAINTENACE			1	1		-	
Maintenance Required					X		
Maintenance Performe					X		
Additional Comments					Х		

Mining Area	Seneca II West Mine	Facility C	Configuration	Cross-	-Vally Pond		
Date Inspected	6/1/2020	Date La	st Inspected	3/	2/2020		
Impoundment	Impoundment Pond #015 Pond Location			NE¼ SE¼, Se	ec. 23, T5N, R88W	Oua	rterly Impoundment Inspection Form
			Location	8 mi. S o	of Hayden, CO		J P T T T T T T T T T T T T T T T T T T
Owner's Rep Miranda Kawcak In			spector	Jaso	n Herden		
_	Marl	or Write	in Appropriat	e Respons	se:		
	FEATURE		PRO	BLEM		COMMENTS	
			YES (At	ove)	NO (Belo	ow)	
GENERAL							
	r below principal spillwa	ıy)	X				water level 0.1 feet above spillway
Existing Embankment	Freeboard (4.0 ft)		4.0				
Outflow (gpm)			X				77.2
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					Х		
Other					Х		
STRUCTURES							
Principal Spillway			T	-		-	
Clogged Orifice					X		
Clogged or Damag					Х		
Damaged Headgate	e				NA		
Emergency Spillway			1		.,		T
Erosion					X		
Riprap	od Culmont				X		
Clogged or Damage	ea Cuivert				X X		
Other MAINTENACE			l		X		
Maintenance Required	1		1		Х		
Maintenance Required					X		
Additional Comments					X		
Additional Comments	i				X		

7.50	T	- m. c	99 49				
Mining Area	Seneca II West Mine		_		/ally Pond		
Date Inspected	6/1/2020		st Inspected	3/2	/2020	_	
Impoundment	Pond #016		Location Location	NE¼ SE¼, Sec. 27, T5N, R88W		Quai	rterly Impoundment Inspection Form
NPDES ID No	CO-0000221 D.P. 016	8 mi. S of Hayden, CO					
Owner's Rep	Miranda Kawcak	Ins	pector	ector Jason Herden			
	FEATURE	Mark		n Appropria	ate Respon		
	PROBLEM				COMMENTS		
			YES (At	bove)	NO (Bo	elow)	
GENERAL							
Water Level (above o	or below principal spillw	vay)	X				water level 0.1 feet above spillway
Existing Embankmen	Existing Embankment Freeboard (6.8 ft)			}			
Outflow (gpm)			X				152.1
EROSION							
Rills & Gullies on En	nbankment		<u> </u>		Х		
Wave Erosion					Х		
Spillway Erosion			 		Х		
Burrows			<u> </u>		Х		
Other			<u> </u>		Х		
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damag					Х		
Damaged Headgat	ie.				NA	١	
Emergency Spillway							
Erosion			<u> </u>		Х		
Riprap			<u> </u>		Х		
Clogged or Damage	ed Culvert		<u> </u>		Х		
الما			1				

Χ

Χ

Χ

Other
MAINTENACE

Maintenance Required

Maintenance Performed Additional Comments

Mining Augo	Seneca II West Mine	Essilite (	Tom Cionemation	C	Maller David		
Mining Area			onnguration st Inspected		-Vally Pond		
Date Inspected	Date Inspected   6/1/2020   Date Last   Impoundment   Pond #017   Pond L				/2/2020	0	
				SW¼ NE¼, Sec. 34, T5N, R88W		Quai	rterly Impoundment Inspection Form
	NPDES ID No CO-0000221 D.P. 017 Site Location Owner's Rep Miranda Kawcak Inspector				of Hayden, CO		
Owner's Rep	spector Jason Herden						
	TOTAL MITTER TO		Mark		in Appropriat	e Respons	
	FEATURE		PROBLEM YES (Above) NO (Belo			,	COMMENTS
CENTEDAT			YES (At	oove)	NO (Bel	ow)	
GENERAL		1 ,		I			
,	or below principal spillw	ay)	X				water level 0.1 feet above spillway
Existing Embankmen	it Freeboard (3.1 ft)		3.1				
Outflow (gpm) EROSION			X				154.6
Rills & Gullies on En	ala a alama a mé		ı		V		
Wave Erosion	nbankment				X		
					X		
Spillway Erosion Burrows							
Other				X			
Other STRUCTURAL							
Differential Settling			1		Х		
Cracks or Slides					X		
Seepage					X		
Other					X		
STRUCTURES					X		
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damag	ged Culvert				X		
Damaged Headgat					NA NA		
Emergency Spillway	<del></del>		1		10.		
Erosion					Х		
Riprap					X		
Clogged or Damaged Culvert					Х		
Other			X				
MAINTENACE			1				
Maintenance Require	d				Х		
Maintenance Perform	ied				Х		

Additional Comments

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ockpond		
Date Inspected	6/4/2020	Date Las	st Inspected	3/	2/2020		
Impoundment	Stock Tank T-2	Pond	Location	NW¼SW¼, S	NW¼SW¼, Sec 22, T5N, R88W		rterly Impoundment Inspection Form
NPDES ID No	, , , , , , , , , , , , , , , , , , , ,				f Hayden, CO	•	<i>v</i> 1
Owner's Rep	Miranda Kawcak	pector	Jason Herden				
			Mark		in Appropriat	e Respons	e:
	FEATURE		PROBLEM				COMMENTS
			YES (Above) NO (Belo			ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			X		Dry
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					X		
Spillway Erosion					X		
Burrows					Х		
Other					X		
STRUCTURAL				,			
Differential Settling					X		
Cracks or Slides					X		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway			1	1	•		
Clogged Orifice					NA		
Clogged or Damage					NA		
Damaged Headgate	<u> </u>				NA		
Emergency Spillway				1			
Erosion					X		
Riprap	16.1				X		
Clogged or Damage	d Culvert				NA		
Other					Х		
MAINTENACE				1			
Maintenance Required					X		
Maintenance Performe	ea				X		
Additional Comments					Х		

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ckpond			
Date Inspected	6/4/2020	Date La	st Inspected	3/	2/2020			
Impoundment	Stock Tank T-3	Pond	Location	NW¼SE¼, S	ec 22, T5N, R88W	Ouai	rterly Impoundment Inspection Form	
NPDES ID No	N/A	Site 1	Location	8 mi S of	f Hayden, CO	Q 0		
Owner's Rep	Miranda Kawcak	Ins	spector	Jason Herden				
•			Mark	or Write	in Appropriat	e Respons	e:	
	FEATURE				BLEM	•	COMMENTS	
			YES (At	ove) NO (Below)				
GENERAL								
Water Level (above or	below principal spillw	ay)			Х			
EROSION								
Rills & Gullies on Em	bankment				Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					X			
Other					Х			
STRUCTURAL			ı					
Differential Settling					Х			
Cracks or Slides					X			
Seepage					X			
Other STRUCTURES					Х			
Principal Spillway								
Clogged Orifice			I		NA			
Clogged of Damage	nd Culvert				NA NA			
Damaged Headgate					NA NA			
Emergency Spillway	'		<u>l</u>		IVA			
Erosion Erosion					Х			
Riprap					X			
Clogged or Damage	d Culvert				NA			
Other					X			
MAINTENACE			L					
Maintenance Required					Х			
Maintenance Performe	d				Х			
Additional Comments					Х			

Mining Area	Seneca II West Mine			Stocl	kpond		
Date Inspected	te Inspected 6/4/2020 Date Last Inspected				/2020		
Impoundment					NE¼ Sec 22, T5N, R88W Quar		rterly Impoundment Inspection Form
NPDES ID No	,				8 mi S of Hayden, CO		
Owner's Rep	Miranda Kawcak	Ins	pector	Jason	Herden		
			Mark	or Write in	n Appropri	ate Respo	nse:
	FEATURE			PROB			COMMENTS
			YES (At	oove)	NO (B	elow)	
GENERAL							
Water Level (above or	r below principal spillw	ay)			Х		
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other					Х		
STRUCTURAL							
Differential Settling					Х		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway							
Clogged Orifice					N/	١	
Clogged or Damag					N/		
Damaged Headgate	e				N/	1	
Emergency Spillway							
Erosion					Х		
Riprap					Х		
Clogged or Damage	ed Culvert				N/		
Other					Х		
MAINTENACE							
Maintenance Required					Х		
Maintenance Performe					Х		
Additional Comments	l				Х		

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	ckpond		
Date Inspected	6/4/2020	Date La	st Inspected	3/2	2/2020		
Impoundment	Stock Tank T-18	Pond	Location	NW¼NE¼, Se	ec 15, T5N, R88W	Qua	rterly Impoundment Inspection Form
NPDES ID No					Hayden, CO	•	
Owner's Rep	Miranda Kawcak	Ins	pector	Jasor	n Herden		
			Mark		in Appropriat	e Respons	se:
	FEATURE			PROI	BLEM		COMMENTS
			YES (At	ove)	NO (Bel	ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			Х		
EROSION							
Rills & Gullies on Em	bankment				X		
Wave Erosion					Х		
Spillway Erosion					X		
Burrows			X				
Other		X					
STRUCTURAL							
Differential Settling					X		
Cracks or Slides					X		
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway			1	1			
Clogged Orifice					NA		
Clogged or Damage					NA		
Damaged Headgate	<u> </u>				NA		
Emergency Spillway			ī	1			
Erosion					X		
Riprap	16.1				X		
Clogged or Damage	d Culvert				NA		
Other					Х		
MAINTENACE			I	-			
Maintenance Required					X		
Maintenance Performe	ea				X		
Additional Comments				ļ	Х		

Date Inspected Impoundment   Stock Tank T-20   Stock Tank T-20   Pond Location   N/A   Site Location   Site	Mining Area	Seneca II West Mine	Facility Configuration	n Sto	ockpond		
Impoundment NPDES ID No Owner's Rep	~	Date Inspected 6/4/2020 Date Last Inspected					
NPDES ID No Owner's Rep					rterly Impoundment Inspection Form		
Owner's Rep         Miranda Kawcak         Inspector         Jason Herden           Mark or Write in Appropriate Response:           FEATURE         PROBLEM         COMMENTS           YES (Above)         NO (Below)           GENERAL           Water Level (above or below principal spillway)         X           EROSION           Rills & Gullies on Embankment         X         X           Wave Erosion         X         X           Burrows         X         X           Other         X         X           STRUCTURAL           Differential Settling         X         X           Cracks or Slides         X         X           Seepage         X         X           Other         X         X           STRUCTURES           Principal Spillway			Site Location				terry impoundment inspection i orm
Mark or Write in Appropriate Response:   FEATURE							
FEATURE	о		•			e Respons	se:
GENERAL Water Level (above or below principal spillway)  EROSION Rills & Gullies on Embankment  Wave Erosion Spillway Erosion Spillway Erosion Surrows Other  STRUCTURAL Differential Settling Cracks or Slides Seepage Other STRUCTURES Principal Spillway		FEATURE				<b>F</b>	
Water Level (above or below principal spillway)  EROSION  Rills & Gullies on Embankment  Wave Erosion  Spillway Erosion  Spillway Erosion  Burrows  Other  X  STRUCTURAL  Differential Settling  Cracks or Slides  Seepage  Other  X  STRUCTURES  Principal Spillway			YES	Above) NO (Below)			
EROSION Rills & Gullies on Embankment  Wave Erosion Spillway Erosion Surrows V Other X STRUCTURAL Differential Settling Cracks or Slides Seepage V Other X STRUCTURES Principal Spillway	GENERAL			<u> </u>			
Rills & Gullies on Embankment  Wave Erosion  Spillway Erosion  Burrows  Other  X  STRUCTURAL  Differential Settling  Cracks or Slides  Seepage  Other  X  STRUCTURES  Principal Spillway	Water Level (above or	ve or below principal spillwa	ay)		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	EROSION						
X   Burrows	Rills & Gullies on Emb	Embankment			Х		
X	Wave Erosion				Х		
Other         X           STRUCTURAL           Differential Settling         X           Cracks or Slides         X           Seepage         X           Other         X           STRUCTURES           Principal Spillway	Spillway Erosion				Х		
STRUCTURAL  Differential Settling X Cracks or Slides X Seepage X Other X  STRUCTURES Principal Spillway	Burrows				X		
X					X		
Cracks or Slides         X           Seepage         X           Other         X           STRUCTURES           Principal Spillway						,	
Seepage         X           Other         X           STRUCTURES           Principal Spillway		ng					
Other X STRUCTURES Principal Spillway							
STRUCTURES Principal Spillway							
Principal Spillway					Х		
1 1 7							
	1 1		1		1	1	
Clogged Orifice NA							
Clogged or Damaged Culvert  NA					1		
Damaged Headgate NA					NA NA		
Emergency Spillway Erosion X		/ay			l v	ı	
Riprap X							
Clogged or Damaged Culvert NA							
Other X		nagou cuiveit					
MAINTENACE							
Maintenance Required X		nired			l x		
Maintenance Performed X							
Additional Comments X							

Mining Area	Seneca II West Mine	Facility C	Configuration	Stoo	Stockpond		
Date Inspected	6/4/2020	Date Las	st Inspected	3/2	3/2/2020		
Impoundment					SE%SW%, Sec 10, T5N, R88W <b>Qu</b> 3		rterly Impoundment Inspection Form
NPDES ID No					Hayden, CO	•	v 1
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden			
			Mark		n Appropriat	e Respons	se:
	FEATURE			PROBLEM			COMMENTS
			YES (Ab	ove)	NO (Bel	ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			Х		
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					X		
Spillway Erosion					Х		
Burrows					X		
Other				X			
STRUCTURAL							
Differential Settling					X		
Cracks or Slides			X				
Seepage					Х		
Other					Х		
STRUCTURES							
Principal Spillway			1				
Clogged Orifice					NA		
Clogged or Damage					NA		
Damaged Headgate	<u> </u>				NA		
Emergency Spillway			ı	-			
Erosion					X		
Riprap	16.1				X		
Clogged or Damage			NA				
Other					Х		
MAINTENACE			ı		.,		
Maintenance Required					X		
Maintenance Performe	ea				X		
Additional Comments					Х		

Date Inspected Impoundment NPDES ID No	eca II West Mine 6/4/2020 tock Tank T-24 N/A	Date La	st Inspected							
Impoundment St NPDES ID No	tock Tank T-24 N/A			3/2/2020						
NPDES ID No	N/A		Location	SW¼NE¼. S	ec 9, T5N, R88W	Onar	terly Impoundment Inspection Form			
	•	Site 1	Location	8 mi S of Hayden, CO		Quui	terry impoundment inspection 1 orm			
	iranda Kawcak		spector		n Herden					
-			_	or Write in Appropriate Respons			e:			
FEATURE PROBLEM COMMENTS										
			YES (Ab	ove)	NO (Bel	low)				
GENERAL					·					
Water Level (above or below	w principal spillwa	ay)			Х		Dry			
EROSION							·			
Rills & Gullies on Embankn	nent				Х					
Wave Erosion					Х					
Spillway Erosion					Х					
Burrows				Х						
	Other				X					
STRUCTURAL										
	Differential Settling			X						
Cracks or Slides				X						
Seepage				X						
Other					Х					
STRUCTURES										
Principal Spillway			T	1						
Clogged Orifice	1 ,			NA NA						
Clogged or Damaged Cul	Ivert			NA NA						
Damaged Headgate				NA NA						
Emergency Spillway Erosion					v					
Riprap				X						
Clogged or Damaged Culvert			NA NA							
Other			X							
MAINTENACE										
Maintenance Required					Х					
Maintenance Performed				X						
Additional Comments					X					

Mining Area	Seneca II West Mine	Facility C	Configuration	Sto	Stockpond				
Date Inspected	6/4/2020	Date La	st Inspected	3/2	2/2020				
Impoundment	Stock Tank T-25	Pond	Location	SW¼NE¼, Se	ec 34, T5N, R88W	Qua	rterly Impoundment Inspection Form		
NPDES ID No	N/A	Site 1	Location	8 mi S of	Hayden, CO	•			
Owner's Rep	Miranda Kawcak	Ins	pector	Jasor	ason Herden				
			Mark	or Write	in Appropriat	e Respons	se:		
	FEATURE			PROF	BLEM		COMMENTS		
			YES (Ab	ove)	NO (Bel	ow)			
GENERAL									
,	below principal spillw	ay)			N/A				
EROSION									
Rills & Gullies on Em	bankment				N/A				
Wave Erosion					N/A				
Spillway Erosion					N/A				
Burrows					N/A				
Other					N/A				
STRUCTURAL			1		N/A				
	Differential Settling								
Cracks or Slides			N/A						
Seepage				N/A					
Other				N/A					
STRUCTURES									
Principal Spillway			ı						
Clogged Orifice					N/A N/A				
Clogged or Damage									
Damaged Headgate	2				N/A				
Emergency Spillway			Γ	1					
Erosion					N/A				
Riprap	101				N/A				
	Clogged or Damaged Culvert			N/A					
Other					N/A				
MAINTENACE	1		I		.,		DAMA DEMOVED FALL 2014 DEDUNCT IN 2012 AS 1 SUNCES		
Maintenance Required					X		DAM REMOVED FALL 2011, REBUILT IN 2012 AS A RUNOFF		
Maintenance Performe Additional Comments			X		Х		CONTROL STURCURE (PM1-A3)		
Additional Comments			<u> </u>						

Mining Area	Seneca II West Mine	Facility C	onfiguration	Stockpond			
Date Inspected	6/4/2020	Date La	st Inspected	3/2	2/2020		
Impoundment	Stock Tank T-26	Pond	Location	NE¼NW¼, S	iec 35, T5N, R88W	Oua	rterly Impoundment Inspection Form
NPDES ID No	N/A	Site 1	Location 8 mi S o		8 mi S of Hayden, CO		J P
Owner's Rep	Miranda Kawcak	Ins	pector	Jasoi	n Herden		
•			Mark	or Write	in Appropriat	e Respons	se:
	FEATURE			PRO	BLEM	-	COMMENTS
			YES (At	ove)	NO (Bel	ow)	
GENERAL							
Water Level (above or	below principal spillw	ay)			Х		
EROSION							
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other	Other			X			
STRUCTURAL							
_	Differential Settling						
Cracks or Slides				X			
Seepage			Х				
	Other			X			
STRUCTURES							
Principal Spillway			ı		T		
Clogged Orifice					NA		
Clogged or Damag				NA			
Damaged Headgate	2		NA				
Emergency Spillway			Т		Т	1	
Erosion					X		
Riprap					Х		
Clogged or Damaged Culvert				NA			
Other					X		
MAINTENACE	•		I				
Maintenance Required			X				
Maintenance Performe					X		
Additional Comments					X		

Mining Area	Seneca II West Mine			Stockpond						
Date Inspected	6/4/2020	Date La	st Inspected	3/	/2/2020					
Impoundment	Stock Tank T-27	Pond	Location	NW¼NW¼,	Sec 35, T5N, R88W	Qua	rterly Impoundment Inspection Form			
NPDES ID No	N/A	Site	Location	8 mi S c	8 mi S of Hayden, CO					
Owner's Rep	Miranda Kawcak	Ins	pector	Jasc	on Herden					
			Marl		in Appropriat	e Respons				
	FEATURE				BLEM		COMMENTS			
			YES (Ab	ove)	NO (Belo	ow)				
GENERAL										
	r below principal spillw	ay)			N/A					
EROSION										
Rills & Gullies on Em	bankment				N/A					
Wave Erosion					N/A					
Spillway Erosion					N/A					
Burrows					N/A					
Other				N/A						
STRUCTURAL			T							
Differential Settling					N/A					
Cracks or Slides				N/A						
Seepage				N/A						
Other				N/A						
STRUCTURES										
Principal Spillway			Г	-						
Clogged Orifice	101				N/A					
Clogged or Damag				N/A						
Damaged Headgate	2				N/A					
Emergency Spillway					N/A					
Erosion										
Riprap	A Culous			N						
Clogged or Damaged Culvert				N/A						
Other MAINTENIA CE					N/A					
MAINTENACE	1		I		V		REBUILT IN 2012 AS A RUNOFF CONTROL STRUCTURE.			
Maintenance Required Maintenance Performe					X		REDUILT IN 2012 AS A KUNUFF CUNTKUL STRUCTURE.			
Additional Comments			X		X					
Additional Comments	·		Λ.							

## **IMPOUNDMENT INSPECTION LOG**

## **JOB DATA**

JOB NAME: PEC Hydrologic Support Services	CLIENT: Peabody	LOCATION: Routt County, CO
JOB(s): 2018-005 T1-SCC, 2018-006 T1-PSCM		

## **FLOW DATA**

FLOW DA	ΓΑ	r				_		
SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-2-20	13:35	0.57	208.6	Fune unlevely seeping uncles	У
003	Sage Creek	Sage Creek	6-2-20	12:55	6,10	36.7	Contract Frame booken conimalbu	roug y
004	Sage Creek	Sage Creek	6-2-30	14:40	0,15	177		N
Lower Sump	Sage Creek	Sage Creek	6-42	ob;æ	0.1	117.6		N
PECOCO	Sage Creek	Sage Creek	6-3-20	11:25	0.1	157		N
Portal Sump 1	Sage Creek	Sage Creek	6-4-20	ा है	0.1	14		N
Portal Sump 2	Sage Creek	Sage Creek	U-4-20	o7:as	~	_	Not pumping	N
Spill Control 2	Sage Creek	Sage Creek	6-4-20	06:45	_		DIS	N
Truck Wash	Sage Creek	Sage Creek	6-4-20	06:05	_	_	Dry	N
Upper Sump	Sage Creek	Sage Creek	6-4-20	07:45	0.1	161		N
001	Seneca	Hayden Gulch	6420	09'00	~1.5	~	No Flow	N
002	Seneca	Hayden Gulch	6-4-30	व्य: <del>२</del> ४	٦٥،	_	no flow	لر
005	Seneca	Seneca II West	6-1-8	b:25	005	53,8	Spring@oten no impact	N
006	Seneca	Seneca II West	61-20	æ;50	0,1	197.3	spring@oten no impact skecon sister no impact	N
009	Seneca	Seneca II West	61-20	(i)	-3,3		NO FAW	N
015	Seneca	Seneca II West	6-1-2	11:30	0.10	77.2		N
016	Seneca	Seneca II West	6-1-30	09:15	0.1	હર,1	small step under flume	X
017	Seneca	Seneca II West	6120	3E;P6	0,1	134.6		N
T-1	Seneca	Seneca II West	6420	09150		_	Pr	N
T-18	Seneca	Seneca II West	6-4-20	11:45	-1,0		NO Flow	N
T-2	Seneca	Seneca II West	642	\$0'16	-		Pro	N
T-20	Seneca	Seneca II West	6-4-20	12:10	-7.8	_	No Flow	N
T-22	Seneca	Seneca II West	6-4-8	12:30	8	_	NO Flow	N
T-24	Seneca	Seneca II West	4-4-3	13:10	_	_	Din	N
T-25	Seneca	Seneca II West	6-4-20	10:45		_	DS	N
T-26	Seneca	Seneca II West			-10	_	NO Flow	N

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	6-4-3	11:20	-1.5	_	NO Flow	N
T-3	Seneca	Seneca II West	6-4-2	10'.25	- 52		NO Flow	N
T-5	Seneca	Seneca II West	6-4-20	09:50	-2.7	_	NO FLOW	N
010	Seneca	Yoast	6-2-20	16:30	0.1	167.6	outlet pipe rusted, cat tains	У
011	Seneca	Yoast	622	া,ভ	0.1	32,7		N
011A	Seneca	Yoast	6-2-20	17:30	4	_	no Flow	N
012	Seneca	Yoast	6-1-35	11:50	0,1	1987	cathis in And	N
012A	Seneca	Yoast	6-3-20	06:30	-,3	_	No Flow	ىد
013	Seneca	Yoast	6-1-20	15,10	1	~	NO Flow	N
014	Seneca	Yoast	6-1-30	13:20	-,2	-	NO Flow	N
ST-1	Seneca	Yoast	6-2.20	17:50	~1. 3	_	NO Flow	N

CLIMATIC CONDITIONS:	1	
FIELD PERSONNEL: JH	FIELD PERSONNEL SIGNATURE:	

NOTES	

