

Seneca Coal Company

December 14, 2017

Jason Musick Colorado Division of Reclamation, Mining and Safety 1313 Sherman Street Denver, CO 80203

RE: Seneca II W Mine, Permit C-82-057, 4Q17 IIR

Dear Jason,

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 #008, Pond #009, Pond #015, Pond #016, Pond #017

and Stock Tanks:

Stock Tank T-1, 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.

Maintenance is required at Ponds: #016 (flume) and #017 (flume). Please contact me with any comments and/or questions.

Sincerely,

Miranda Blomquist

TNS/tns

Enclosure: Seneca II W IIR

Minada Kawcak

Mining Area	Seneca II West Mine	Facility Configurati	ion	Cross-	Vally Pond					
Date Inspected	10/17/2017	Date Last Inspecte	ed	7/2	0/2017					
Impoundment	Pond #005	Pond Location Site Location		NWX SWX, S	ec. 10, T5N, R88W	Oua	Quarterly Impoundment Inspection Form			
NPDES ID No	CMLRD Permit No. C-82-057			8 ml. S of Hayden, CO		, <u>F</u>				
Owner's Rep	Miranda Kawcak	Inspector	33	Jasoi	n Herden					
4053		Ma	ark	or Write in	Appropriate I	Response				
	FEATURE			PROI	BLEM		COMMENTS			
		YES	(Ab	ove)	NO (Belov	w)				
GENERAL	5/4/10 (State State State State	STORE OF THE STORE STORE	en Pist	Marian E	THE RESIDENCE OF THE PARTY OF T	distance of				
Water Level (above o	r below principal spillway)	•			Х		Water level 1.9 feet below spillway			
Existing Embankmen	t Freeboard (7.4 ft)		7.4							
Outflow (gpm)				744-775-9	Х					
EROSION			REAS	CUMORAS						
Rills & Gullies on Em	nbankment				X					
Wave Erosion					Х					
Spillway Erosion					х]			
Burrows					х					
Other		an agency top and a second		2711- 418710	X					
STRUCTURAL			BUX 92	lib rendadi	AND TO SHOE	and somite				
Differential Settling					Х					
Cracks or Slides					X					
Seepage					X					
Other					Х					
STRUCTURES		MUNEAU GRANT		PER PARTY	NUMBER OF STREET	WINDERA)				
Principal Spillway										
Clogged Orifice					X					
Clogged or Damag					X					
Damaged Headgat	e				NA					
Emergency Spillway										
Erosion					Х					
Riprap					X					
Clogged or Damaged Culvert Other					X					
		minus -	х							
MAINTENACE			STATE OF	DESCRIPTION OF THE PERSON OF T		SAME US				
Maintenance Require					X					
Maintenance Perform	• •				х					
Additional Comments	5				X		<u> </u>			

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine 10/17/2017 Pond #006 CO-0000221 D.P. 006 Miranda Kawcak	Date Las Pond Site I	onfiguration it Inspected Location location pector			Quarterly Impoundment Inspection Form			
California de la Califo		Article Control	Mar		in Appropriate	Response			
	FEATURE				BLEM		COMMENTS		
			YES (AI	ove)	NO (Belo	w)			
GENERAL		NY GENERAL PROPERTY		arrentura.		22.20			
	or below principal spillw	ay)	Х				water level 0.15 feet above spillway		
Existing Embankmen	t Freeboard (7.5 ft)		7.5						
Outflow (gpm)			X				32.7		
EROSION		THE STREET	12 45 HE 10 4 HE		HAME STATES				
Rills & Gullies on En	nbankment				X				
Wave Erosion					X				
Spillway Erosion					х				
Burrows					X				
Other					х				
STRUCTURAL		NOW BUT THE		NAME OF STREET					
Differential Settling					Х				
Cracks or Slides					Х				
Seepage					X				
Other					X				
STRUCTURES				16000					
Principal Spillway									
Clogged Orifice					х				
Clogged or Dama					х				
Damaged Headga	te				NA				
Emergency Spillway									
Erosion					X				
Riprap					X				
Clogged or Damaged Culvert				Х					
Other					Х				
MAINTENACE		SHEERS	now. Market 18			PERMIT			
Maintenance Require					Х		Big sluff on S. side above pond on hill, currently not affecting pond		
Maintenance Perform					X				
Additional Comment	5		X						

Mining Area	Seneca II Mine	Facility C	onfiguration	Cross-\	/ally Pond					
Date Inspected	10/17/2017	Date Las	t Inspected	7/20	0/2017					
Impoundment	Pond #008	Pond	Location	SEKSWX, Se	c. 7, T5N, R86W	Oua	rterly Impoundment Inspection Form			
NPDES ID No	CO-0000221 D.P.008	Site I	ocation	COLUMN TENT		£				
Owner's Rep	Miranda Kawcak	Ins	pector	Jason	Herden					
				or Write i	n Appropriat	e Respons	se: http://www.communication.com/			
	FEATURE				LEM		COMMENTS			
			YES (Ab	NO (Bel	ow)					
GENERAL				SECTION A	Market States	THE ACCUSES				
Water Level (above or	r below principal spillw	ay)	Х				Water Level 0.2 above spillway			
Existing Embankment	Freeboard (4.7 ft)	[4.7							
Outflow (gpm)			Х				15.5			
EROSION										
Rills & Gullies on Em	bankment				Х					
Wave Erosion		[Х					
Spillway Erosion		[Х					
Burrows		[х							
Other				X						
STRUCTURAL		建筑性多洲		and the second	THE RESIDENCE OF THE	30 国际电	(A) A PARTIE TO THE TELEPHONE TO THE TE			
Differential Settling					X					
Cracks or Slides		Į.			Х					
Seepage		Į.		X X						
Other		services a service								
STRUCTURES		LE PARALES		SECTION 1		ASSBUM	Stelling Little Address to the first state of the			
Principal Spillway										
Clogged Orifice					Х					
Clogged or Damag					Х					
Damaged Headgate	ė				NA					
Emergency Spillway										
Erosion		,			X					
Riprap					X					
Clogged or Damaged Culvert		X								
Other		STATE OF THE PARTY OF			X					
MAINTENACE		DETAILS AND A		をおりませる	Market Services	residental				
Maintenance Required					X					
Maintenance Perform					X					
Additional Comments					X					

NO LONGER REQUIRED DUE TO FINAL BOND RELEASE

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine 10/17/2017 Pond #009 CO-0000221 D.P. 009 Miranda Kawcak	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	pected 7/20/201 don SEX SWX, Sec. 11, T on 8 mi. S of Hayd		Quarterly Impoundment Inspection Form		
Owner's Kep Miranda Kawcak				in Appropriate	o Pornanco		
STREET SHOW SHOW THE STREET	FEATURE	17,868		BLEM	COMMENTS		
ì		YES (A	oove)	NO (Belo	ow)		
GENERAL			SIGNATURE S	Salva Salva Salva			
Water Level (above o	r below principal spillwa	ay)		Х	Water level 3.4 feet below top of pipe		
Existing Embankmen		8.9					
Outflow (gpm)				Х			
EROSION	Street Street Court	是1000年10日本地区1000年1015	地区的自己的				
Rills & Gullies on En	nbankment			Х			
Wave Erosion				Х			
Spillway Erosion				X			
Burrows				X			
Other				X			
STRUCTURAL		August States		医罗拉德氏学 机熔铁			
Differential Settling				Х			
Cracks or Slides				Х			
Seepage				Х			
Other				X			
STRUCTURES		NATIONAL PROPERTY.	MARKET SERVICE	EN AVERAGE RECOGNIC			
Principal Spillway							
Clogged Orifice				Х			
Clogged or Damag				Х			
Damaged Headgat	e			NA			
Emergency Spillway							
Erosion				X			
Riprap				X	·		
Clogged or Damaged Culvert				X			
Other			water college to a	X			
MAINTENACE		enar social design of the sale	Sept Market		等。但是1985年代的1986年,Add 2015年代,4月15日中华的1986年,1986年代		
Maintenance Require				X			
Maintenance Perform				X			
Additional Comments	5			Х			

Mining Area	Seneça II West Mine	Facility Configuration	Cross-	Vally Pond		·-·		
Date Inspected	10/17/2017	Date Last Inspected		0/2017				
Impoundment	Pond #015	Pond Location	NEX SEX. Se	c. 23, T5N, R88W	Ouar	terly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 015	Site Location	8 mi. S of Hayden, CO		~ am	toriy impoundment inspection i orin		
Owner's Rep	Miranda Kawcak	Inspector		n Herden				
tealous substantia				in Appropriat	Response			
	FEATURE		PROI	BLEM		COMMENTS		
	·		bove)	NO (Belo	w)			
GENERAL		E AND AND ALL AND	9.000002.55		TO PERSON			
Water Level (above o	r below principal spillw	ay)		Х		water level 1.6 feet below top of pipe		
Existing Embankmen	t Freeboard (4.0 ft)	4.0						
Outflow (gpm)				Х				
EROSION				COMMISSION IN				
Rills & Gullies on En	nbankment			Х				
Wave Erosion				Х				
Spillway Erosion				Х				
Burrows				Х				
Other				Х				
STRUCTURAL	IN THE REAL PROPERTY.		21(9)(9)(2)(2)		GAPTERSON, DE			
Differential Settling				Х				
Cracks or Slides				Х				
Seepage				Х				
Other	CONTRACTOR STREET		er duri de	X				
STRUCTURES			year and a second		545 G. N.S.			
Principal Spillway								
Clogged Orifice				Х				
Clogged or Damaş				Х				
Damaged Headgat	e			NA				
Emergency Spillway								
Erosion				X				
Riprap				X				
Clogged or Damaged Culvert				X				
Other				х х				
MAINTENACE	NO SERVICE AND ADDRESS.		youthands.	kas (bill bekstl)	and a section			
Maintenance Require				X		Fixed standpipe		
Maintenance Perform				X				
Additional Comments	s	, x						

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca If West Mine 10/17/2017 Pond #016 CO-0000221 D.P. 016 Miranda Kawcak	Date La Pond Site	st Inspected Location Location spector	7/20 NEX SEX, Sec 8 mi. S of Jason	/ally Pond D/2017 27, TSN, R88W Hayden, CO Herden	Quarterly Impoundment Inspection Form	
			Mark		n Appropria	e Respor	
	FEATURE		1500 111	PROB		,	COMMENTS
			YES (At	oove)	NO (Bel	ow)	
GENERAL	r below principal spillw	eny svadjentave	X			A TANKS OF STREET	water level 0.1 feet above spillway
Existing Embankmen		ay)	6.8				water level 0.1 feet above spillway
Outflow (gpm)	t Freedoard (0.6 ft)		X				21.6
EROSION		the modifical	Chel elementary stant	Section 2	for a section to the	DAN DESCRIPTION	21.0
Rills & Gullies on En	nbankment			ALL DESIGNATION OF THE PARTY OF	X	- Ke	
Wave Erosion					X		
Spillway Erosion					Х		
Burrows					х		
Other					х		
STRUCTURAL			SECTION OF THE	PEL BAS		WHEVER	
Differential Settling					X		
Cracks or Slides					X		
Seepage					Х		
Other			<u> </u>		Х		
STRUCTURES	ENDER STREET	STATE STATE		PARTY SH	STATE STATES		
Principal Spillway							<u> </u>
Clogged Orifice					Х		
Clogged or Damag					X		
Damaged Headgat	e		<u> </u>		NA		
Emergency Spillway	<u>-</u> .						
Erosion					X		
Riprap	ad Culuant		<u> </u>		X		
Clogged or Damaged Culvert					X		
Other MAINTENACE		Audienties	TO LONG SURVEY COME	Ski More de	A SECURIO	Sections of the	
Maintenance Require	d	NAME OF TAXABLE PARTY.	X	AND PARTY OF THE P	ma 2. 22.22 (1.54.25) (1.55	w-vacualos	Small leak under flume
Maintenance Perform			 		X		Small leak under Hume
Additional Comments			X		^		

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine 10/17/2017 Pond #017 CO-0000221 D.P. 017 Miranda Kawcak	Date Las Pond Site I	t Inspected Location Location pector	7/2 SWX NEX, S 8 mi. S o Jaso	-Vally Pond 20/2017 iec. 34, TSN, R88W of Hayden, CO on Herden		Quarterly Impoundment Inspection Form	
at Market San		Saye and a	Marl		in Appropriate	Response:		
	FEATURE			PRO:	BLEM NO (Belo)	COMMENTS	
GENERAL					THE COLUMN	HALLIS STORY		
Water Level (above or below principal spillway) Existing Embankment Freeboard (3.1 ft) Outflow (gpm)			X 3.1 X				water level 0.06 feet above spillway 8	
EROSION		STATE SALE	1878 No. 88 NO.	SERVICE STREET				
Rills & Gullies on En Wave Erosion Spillway Erosion Burrows Other	nbankment				X X X X			
STRUCTURAL		SATES N		PERMIT				
Differential Settling	THE THE PARTY OF T				х			
Cracks or Slides					X			
Seepage					X X			
Other			Control of the contro	Carried States	Х	AND DESCRIPTION OF LAND		
STRUCTURES								
Principal Spillway Clogged Orifice					x			
Clogged Office Clogged or Dama	ged Culvert	ŀ			x	-		
Damaged Headga		ŀ			NA NA			
Emergency Spillway								
Erosion					X			
Riprap		Ī			х			
Clogged or Damag	ed Culvert	[Х			
Other		[Х			
MAINTENACE	Whitehold, Street	ALC: SHIP	CARCOLANGE	Charles in	20.000000000000000000000000000000000000	Addition to be		
Maintenance Require		ļ	X	х			Sluff on North side, armour is working, small leak under flume	
Maintenance Perform			X					
Additional Comment	S		X					

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine 10/17/2017 Stock Tank T-1 N/A Miranda Kawcak	Facility Config Date Last Inst Pond Locat Site Locati Inspecto	pected tion ion r	Stockpond 7/20/2017 SEXSWX, Sec 16, T5N, R88W 8 ml S of Hayden, CO Jason Herden			rterly Impoundment Inspection Form
			Mark	or Write i	n Appropriat	e Respons	
FEATURE			YES (Ab		NO (Bel		COMMENTS
GENERAL	and the Mark Constitution of Mark	SOME STREET	TES (AU	ove)	140 (Bei	teritoria est	STANCE A SUPERIOR STANCE OF THE STANCE OF TH
	r below principal spillwa	ev)			х	225,818,334,363494	Dry
EROSION			MALE STATE	ALC: NO TO	THE PROPERTY AND	Service Service	
Rills & Gullies on En	nbankment	2			х		action with the the action of the experience of the experience of the contract
Wave Erosion					Х		
Spillway Erosion					N/A		
Burrows				X			
Other			X				
STRUCTURAL							
Differential Settling					X		
Cracks or Slides		<u> </u>	X				
Seepage		<u> </u>	X				
Other		V-100			X	0.1407500000	
STRUCTURES					PERSONAL PROPERTY.		
Principal Spillway					41/4		
Clogged Orifice	and Coderant				N/A		
Clogged or Damag	•				N/A N/A		
Damaged Headgat Emergency Spillway	e				N/A		
Erosion				Т	Х		
Riprap					X		
Clogged or Damag	ed Culvert				N/A		
Other					X		
MAINTENACE			3000	A CHARLES	SEVERAL SECTION		
Maintenance Require	d			I	X		
Maintenance Perform					х		
Additional Comments	5				Х		

Mining Area	Seneca II West Mine	Facility Configur	ation	Sto	ckpond	-		
Date Inspected	10/17/2017	Date Last Inspec			20/2017			
Impoundment	Stock Tank T-2	Pond Locatio	n	NWXSWX, S	Sec 22, T5N, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location			f Hayden, CO	4 7 P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P		
Owner's Rep	Miranda Kawcak	Inspector			n Herden			
			Marl	or Write	in Appropriate	e Response:		
	FEATURE				BLEM	COMMENTS		
		Y	ES (Al	ove)	NO (Belo	ow)		
GENERAL		entre de control de la control	Or sure	ender Breit	Maria de la composición della			
Water Level (above o	r below principal spillw	ay)			Х	Water level is 2.3 feet below spillway		
EROSION		SECTION STREET, SECTION STREET, SECTION STREET, SECTION STREET, SECTION SECTIO		PENNING S	TABLE AND ESTATE			
Rills & Gullies on En	ıbankment	AND THE RESERVE OF THE PARTY OF			Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					Х			
Other		7			Х			
STRUCTURAL			19690	AND THE S				
Differential Settling					X			
Cracks or Slides			X					
Seepage			X					
Other					X			
STRUCTURES	THE RESERVE THE PERSON		20220	WILLIAM PRO	COMMON TO A			
Principal Spillway						7-11-		
Clogged Orifice					NA			
Clogged or Damag	•				NA			
Damaged Headgat	e				NA			
Emergency Spillway								
Erosion					Х			
Riprap		<u> </u>			Х			
Clogged or Damaged Culvert			NA					
Other					Х			
MAINTENACE	的第三人称形式。2015年(1	发现的CATEMETERS	BANES!	TOTAL PLAN	MOVED SERVICE			
Maintenance Require					X			
Maintenance Perform					Х			
Additional Comments	<u> </u>				Х			

Mining Area	Seneca II West Mine	Facility C	onfiguration	Stoc	kpond				
Date Inspected	10/17/2017	Date La	st Inspected	7/20	/2017				
Impoundment	Stock Tank T-3	Pond Location		NWXSEX, Sec	22, T5N, R88W	Quarterly Impoundment Inspection Form			
NPDES ID No	N/A	Site I	Site Location		Hayden, CO				
Owner's Rep	Miranda Kawcak	Ins	pector	Jason Herden					
and the second second		Classical Control		or Write i	n Appropriate	Response:			
	FEATURE			PROB		COMMENTS			
			YES (Ab	ove)	NO (Belo	ou.)			
GENERAL		1989/076							
Water Level (above or	r below principal spillw	ay)			X	Water level is 1.2 feet below spillway			
EROSION									
Rills & Gullies on Em	bankment	Procedure and Common			Х				
Wave Erosion					X				
Spillway Erosion			<u> </u>		X				
Burrows					Х				
Other					X				
STRUCTURAL		CONTRACTOR		Line State of the last					
Differential Settling					Х				
Cracks or Slides					X				
Seepage					X				
Other		G PAGE SON STATEM	Discontinues recognisco	A STATE OF THE STA	X				
STRUCTURES			AND DESCRIPTION OF A PARTY OF A P	Halifiching	ARREST THE STATE OF				
Principal Spillway Clogged Orifice					NA				
Clogged Office Clogged or Damag	ad Culment				NA NA				
Damaged Headgate					NA NA				
Emergency Spillway	<u> </u>				110				
Erosion					Х				
Riprap					X				
Clogged or Damage	ed Culvert				NA NA				
Other	· -				X				
MAINTENACE		STOFFEE							
Maintenance Required	3				х				
Maintenance Perform					Х				
Additional Comments	i				Х				

Mining Area	Seneca II West Mine	Facility C	onfiguration	Stock	opond				
Date Inspected	10/17/2017	Date Las	t Inspected	7/20	/2017				
Impoundment	Stock Tank T-5	Pond Location		NE% Sec 22	, T5N, R88W	Quarterly Impoundment Inspection Form			
NPDES ID No	N/A	Site L	Site Location		layden, CO				
Owner's Rep	Miranda Kawcak	Ins	pector	Jason	Herden				
			Mark	r Write i	Appropria	ate Response:			
	FEATURE			PROB	LEM	COMMENTS			
			YES (Ab	ove)	NO (Be	clow)			
GENERAL					Street, St.	· 医性性病 医多种性 医克勒氏 医克勒氏 医克勒氏 医克勒氏 医克勒氏 医克勒氏 医克勒氏 医克勒氏			
Water Level (above or	r below principal spillw	ay)	Land Committee C		Х	Water level is 2.0 feet below spillway			
EROSION		ALTERNATION AND	KALO IKA IK	120 1000					
Rills & Gullies on Em	ibankment				Х				
Wave Erosion					X				
Spillway Erosion					Х				
Burrows					Х				
Other					Х				
STRUCTURAL	BENEFIT OF THE PARTY OF THE		Mark Street	COLUMN					
Differential Settling					Х				
Cracks or Slides					Х				
Seepage					Х				
Other	a solution and the second are second				X				
STRUCTURES		2000000							
Principal Spillway									
Clogged Orifice	10-1	-			NA NA				
Clogged or Damag		-			NA NA				
Damaged Headgate Emergency Spillway	<u> </u>				NA	·			
Erosion					Х				
Riprap		-			X				
Clogged or Damage	ed Culvert	-			NA NA				
Other	ou Curvett	-			X				
MAINTENACE		HOTE STREET	CARLES SAFE	strates and an artist	S. S. 45 (C) (S. S. S.				
Maintenance Required	d	and the second s	STATE OF THE PERSON AND	THE REAL PROPERTY.	X				
Maintenance Perform		-			X				
Additional Comments		-			X				

Mining Area	Seneca II West Mine	Facility Configuration	Stock	kpond				
Date Inspected	10/17/2017	Date Last Inspected	7/20	/2017				
Impoundment	Stock Tank T-18	Pond Location	eation NWXNEX, Sec 15, TSN, R88W Q		Quarterly Impoundment Inspection Form			
NPDES ID No	N/A	Site Location			Z			
Owner's Rep	Miranda Kawcak	Inspector		Herden				
STATE OF THE PARTY			or Write in	n Appropriate	Response:			
	FEATURE		PROBI		COMMENTS			
	YES (AI	oove)	NO (Belo	w)				
GENERAL				enter in order	on and the file of some of the management of the Million Distriction of the management of the second			
	r below principal spillwa	ay)	1000	Х	Water level is 1.6 feet below spillway			
EROSION			Berthall Control					
Rills & Gullies on Em	bankment		vale messes in	X				
Wave Erosion				Х				
Spillway Erosion				Х				
Burrows				Х				
Other				Х				
STRUCTURAL								
Differential Settling				Х	L. COUPT FIGURE STATE OF THE ST			
Cracks or Slides				Х				
Seepage				Х Х				
Other				X				
STRUCTURES			の対象の対象	地域的				
Principal Spillway								
Clogged Orifice				NA				
Clogged or Damag				NA				
Damaged Headgate	2			NA				
Emergency Spillway								
Erosion				Х				
Riprap				Х				
Clogged or Damaged Culvert				NA				
Other				Х				
MAINTENACE								
Maintenance Required				X				
Maintenance Performe				X				
Additional Comments				Х				

Mining Area	Seneca II West Mine	Facility Configura	ation	Sto	ckpond			
Date Inspected	10/17/2017	Date Last Inspected		7/20/2017				
Impoundment	Stock Tank T-20	Pond Location	n	NWXNEX, Se	c 15, T5N, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location		8 mi S of	Hayden, CO	C		
Owner's Rep	Miranda Kawcak	Inspector			Herden			
			Mark	or Write	in Appropriat	e Response:		
	FEATURE			PROE		COMMENTS		
		YI	ES (Ab	ove)	NO (Belo	ow)		
GENERAL		ARMITTE SHIPE	3/6/5	HEAVEN GET	A COURT OF STREET			
Water Level (above o	r below principal spillwa	ay)		- 1153	X	Water level is 2.6 feet below spillway		
EROSION			W. HERC	WALK PARK				
Rills & Gullies on En	ibankment				Х			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					Х			
Other					X			
STRUCTURAL								
Differential Settling					X			
Cracks or Slides					Х			
Seepage					Х			
Other					Х			
STRUCTURES	NAME OF TAXABLE PARTY.		2007	esala an	ALCOHOLD THE SAME OF			
Principal Spillway								
Clogged Orifice					NA			
Clogged or Damag					NA NA			
Damaged Headgat	e				NA NA			
Emergency Spillway								
Erosion			-		X			
Riprap					X			
Clogged or Damag	ed Culvert				NA NA			
Other	Covers landon Agric Viview elect		NOTE AND DESCRIPTION OF	Name Alberta Paran	X			
MAINTENACE	PART WAS INDEED BY THE PART	ALLA POSTA DE LA	4:920	DOMESTIC:	AVAIATE AL ADAM			
Maintenance Require					X			
Maintenance Perform					X			
Additional Comments	5				Х			

Mining Area Seneca II West Mine Facility Date Inspected 10/17/2017 Date		Facility Con			kpond	•		
Date Inspected	10/17/2017	Date Last Inspected		7/20/2017				
Impoundment	Stock Tank T-22	Pond Lo	cation	SEXSWX, Sec	10, T5N, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Loc	ation	8 mi S of	Hayden, CO	Cyyy		
Owner's Rep	Miranda Kawcak	Inspec	tor		Herden			
and the state of		More a series	Mark	or Write i	n Appropriat	te Response:		
	FEATURE			PROB		COMMENTS		
			YES (Ab	ove)	NO (Bel	low)		
GENERAL	STANDARD BETTER STANDARD	Same Carriero	tis coase as	LAME STATE	Vilence Hay			
Water Level (above o	r below principal spillwa	ay)			Х	Water level is 0.9 feet below spillway		
EROSION	NOTES OF STREET	distantial de		der für Sie	COLUMN CASE			
Rills & Gullies on Em	bankment		- 7 1 - Jerson II I		X			
Wave Erosion					Х			
Spillway Erosion					Х			
Burrows					Х			
Other					Х			
STRUCTURAL	RECEIVED THE RESERVE	GENERAL PROPERTY			ALCOHOL:			
Differential Settling					X			
Cracks or Slides					Х			
Seepage					X			
Other					X			
STRUCTURES								
Principal Spillway								
Clogged Orifice					NA			
Clogged or Damag					NA			
Damaged Headgat	е				NA			
Emergency Spillway								
Erosion					X			
Riprap					Х			
Clogged or Damag	ed Culvert				NA			
Other	A Country of the Coun		elle mad toda (1555)	and the second	X			
MAINTENACE		Constitution of the						
Maintenance Require					X			
Maintenance Perform					X			
Additional Comments	<u> </u>				Х			

Mining Area	Seneca II West Mine	Facility Configuratio	n St	ockpond			
Date Inspected	10/17/2017	Date Last Inspected	7/	/20/2017			
Impoundment	Stock Tank T-24	Pond Location	SWKNEK,	Sec 9, TSN, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location		of Hayden, CO			
Owner's Rep	Miranda Kawcak	Inspector		on Herden			
Market Anna Carlotte Company			k or Write	e in Appropriat	te Response:	Riving	
	FEATURE			DBLEM	COMMENTS		
		YES (A	bove)	NO (Bel	low)		
GENERAL		KISSACCAS INDICATE DESIRES	SECTION AND ADDRESS OF THE PARTY OF THE PART	SERVE DE 1800		Service Service	
Water Level (above o	r below principal spillw	ay)		X	Dry		
EROSION		CONTRACTOR OF		at of the same		0.000	
Rills & Gullies on En	nbankment			X		de La compa	
Wave Erosion				Х			
Spillway Erosion				Х			
Burrows			х				
Other				Х			
STRUCTURAL							
Differential Settling				X			
Cracks or Slides				X			
Seepage				X			
Other				x			
STRUCTURES						2542h	
Principal Spillway							
Clogged Orifice				NA NA			
Clogged or Damag				NA			
Damaged Headgat	e		NA NA				
Emergency Spillway				T			
Erosion				X			
Riprap				X			
Clogged or Damag	ed Culvert			NA NA			
Other		Winds of the State	A STANDARD STANDARD STANDARD	X		COR NO	
MAINTENACE	THE SHAPE OF THE STATE OF		MARKET STATE			SPESI	
Maintenance Require		<u> </u>		<u>X</u> _			
Maintenance Perform		<u> </u>		X			
Additional Comment	S			<u> </u>			

Mining Area	Seneca II West Mine	Facility Configuration	n S	Stockpond			
Date Inspected			1000000	7/20/2017			
Impoundment	Stock Tank T-25	Pond Location	SWKNEK	, Sec 34, T5N, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location		of Hayden, CO			
Owner's Rep	Miranda Kawcak	Inspector		son Herden			
BELLEVIN BURNEY BURNEY	SAN ALTONOMICS			te in Appropriate	Response:		
	FEATURE			OBLEM	COMMENTS		
		YES (Above)	NO (Beld	w)		
GENERAL			dycaloga wy	Section 1. Section 2.	attender in the second section of the second section of the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section of the second section is a second section of the second section of the second section of the second section of the section		
Water Level (above o	r below principal spillw	ay)		N/A	Dry		
EROSION			STATE OF THE PARTY OF				
Rills & Gullies on Em	bankment		W-17 K-12 L 1999	N/A	autoria, per el muse de l'estato de la compact de la compact de l'estato de l'estato de l'estato de l'estato de l'estato de l'estato de la compact de l'estato de l'estato de la compact de l'estato de		
Wave Erosion				N/A			
Spillway Erosion				N/A			
Burrows			N/A				
Other				N/A			
STRUCTURAL			BURNEY CO.				
Differential Settling	ttella in a treatment and the	1		N/A			
Cracks or Slides				N/A			
Seepage			N/A				
Other				N/A			
STRUCTURES					也是10gg (11gg 15gg 15gg 15gg 15gg 15gg 15gg 1		
Principal Spillway							
Clogged Orifice				N/A			
Clogged or Damag	ed Culvert		N				
Damaged Headgat	e		N/A				
Emergency Spillway							
Erosion				N/A			
Riprap				N/A			
Clogged or Damaged Culvert		<u> </u>	N/A				
Other				N/A			
MAINTENACE 💮				TO SERVICE SECURITIES			
Maintenance Require			X		DAM REMOVED FALL 2011, REBUILT IN 2012 AS A RUNOFF		
Maintenance Perform			X		CONTROL STURCURE (PM1-A3)		
Additional Comments	3		X				

Mining Area Seneca II West Mine Facility		Facility C							
Date Inspected	10/17/2017	Date Las	t Inspected	7/2	0/2017				
Impoundment	Stock Tank T-26	Pond			NEXNWX, Sec 35, T5N, R88W		Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site I			Z A A A A A A				
Owner's Rep	Miranda Kawcak	Ins	pector		n Herden				
				or Write	in Appropriate	Response			
	FEATURE			PROI	BLEM		COMMENTS		
			YES (At	ove)	NO (Belo	(W)			
GENERAL			Assistant						
Water Level (above o	r below principal spillw	ay)			X	- 101 T 171 H	Water level is 2.0 feet below spillway		
EROSION				1000					
Rills & Gullies on Em	nbankment	with the inc	1200	1000 H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Х				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows					Х				
Other				X					
STRUCTURAL	STEELS STREET	CHARLES	BENEVISION	HATEUTS	SECTION OF STREET	SALESSES WATER			
Differential Settling					X				
Cracks or Slides			X						
Seepage			X						
Other					Х				
STRUCTURES				SHIPPER TO					
Principal Spillway									
Clogged Orifice					NA.				
Clogged or Damag					NA NA				
Damaged Headgat	e		NA NA						
Emergency Spillway							<u></u>		
Erosion					Х				
Riprap					Х				
Clogged or Damage	ed Culvert				NA				
Other					Х				
MAINTENACE		BOD SHOP	新文化文化公司	SPECIAL PROPERTY.	SAN SILVE REPORT	SATURATE OF			
Maintenance Require					X				
Maintenance Perform					Х				
Additional Comments	5				Х				

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond			
Date Inspected	Date Inspected 10/17/2017 Date I Impoundment Stock Tank T-27 Pon		7/20/2017			
Impoundment			NWXNWX, Sec 35, T5N, R88W	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO			
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden			
		Mari	or Write in Appropri	ite Response:		
	FEATURE		PROBLEM	COMMENTS		
		YES (Ab	ove) NO (Be	low)		
GENERAL						
Water Level (above o	r below principal spillw	ay)	N//	Water Level 1.2 feet below spillway		
EROSION						
Rills & Gullies on Em	bankment		N//			
Wave Erosion			N//			
Spillway Erosion			N//			
Burrows			N//			
Other			N//	V		
STRUCTURAL	DELL'ESTA LESSENBORGES					
Differential Settling			N//			
Cracks or Slides			N//			
Seepage			N//			
Other			N//			
STRUCTURES	THE PERSON AND ADDRESS.					
Principal Spillway			1 414			
Clogged Orifice	and Culturant		N//			
Clogged or Damag Damaged Headgate			N//			
Emergency Spillway	<u> </u>		I IN//			
Erosion			N//			
Riprap			N//			
Clogged or Damaged Culvert			- N//			
Other	ca carrett		N//			
MAINTENACE	PROTECTION STATE					
Maintenance Require	i		l x	REBUILT IN 2012 AS A RUNOFF CONTROL STURCURE		
Maintenance Perform			x	ACCORD IN COLUMN TO THE STONE OF THE STONE O		
Additional Comments		x	- ^			

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Support Services	CLIENT: Peabody	LOCATION: Routt County, CO
JOB(s): 2016-037 T1-SCC, T2-PSCM		,

FLOW DATA

STEID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	10-17-17	15:10	0.09	127, 9		N
003	Sage Creek	Sage Creek	10-17-17	14:45	0,00	7.7	animal burrows andam	N
004	Sage Creek	Sage Creek	10-17-17	15:35	0,36	30. j		N
Lower Sump	Sage Creek	Sage Creek	10-13-17	09:35	0.05	18		N
PECOCO	Sage Creek	Sage Creek	10-18-17	10:15	0.07	51		N
Portal Sump 1	Sage Creek	Sage Creek	10-18-17	09:45	0,03	ſ		N
Portal Sump 2	Sage Creek	Sage Creek	6-18-17	09:55	-	_	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	10-18-17	09:75	_	-	DN	N
Truck Wash	Sage Creek	Sage Creek	10-18-17	09:15	_		Dry	N
Upper Sump	Sage Creek	Sage Creek	10-18-17	10:35	0.05	44		N
001	Seneca	Hayden Gulch	10-18-17	08:00	~3,3	_	NO Flow	N
002	Seneca	Hayden Gulch	10-18-17	08:10		_	DIS	N
005	Seneca	Seneca II West	10-17-17	11:05	-1.9		NO Flow springed of process	
006	Seneca	Seneca II West	10-17-17	08:55	0.15	32,7	big sluffons, side, wima	
009	Seneca	Seneca II West	17-17	11:35	-3.4	_	NO Flow supplement	N
015	Seneca	Seneca II West	10-17-17	13:00	- 1.6	-		
016	Seneca	Seneca II West	10-17-17	09:15	0,10	21.6	small legt under flame	4/
017	Seneca	Seneca II West		09:40	0.06	8,0	coder leaking under flume	Ϋ́
T-1	Seneca	Seneca II West	10-17-17	09:05	-	-	Dia	N
T-18	Seлеса		10-17-17	10:50	-1.6	_	NOFEW	N
T-2	Seneca	Seneca (i West	10-17-17	10:45	-2,3	_	NO Flow	N
T-20	Seneca	Seneca II West	10-17-17	10:55	-7.6	_	NO FION	N
T-22	Seneca	Seneca II West	10-17-17	11:00	-0,9	-	NO Flow	N
T-24	Seneca		10-17-17	11:15		~	Pro	N
T-25	Seneca	Seneca II West		09:50		_	500 e	1
T-26	Seneca	Seneca II West	6-17-17	6:20	-20		NO Flow	N
900			10-17-17	14:20	0.7	15.5	outled pipe slightly risen	N

WWCENGINEERING
IMPOUNDMENT INSPECTION LOG

SITE ID	COMPANY	MINE	DATE	ПМЕ	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	10-17-17	10:25	-1,2	_	NO Flow	N
T-3	Seneca	Seneca II West	10-17-17	10:40	-1.6	_	NO Flow	N
T-5	Seneca	Seneca II West	10-17-17	10:05	-2,0		No Flow	N
010	Seneca	Yoast	וט-וד-וץ	16:45	0.15	23,5	Stand Diperushed througholietic	rs y
011	Seneca	Yoast	10-18-17	08:45	-7.0		NO Flow	N
011A	Seneca	Yoast	10-17-17	17:10	-3,3	~	NO Flow	N
012	Seneca	Yoast	10-17-17	13.30	0.04	25.8	crosion behind funder flume	У
012A	Seneca	Yoast	10-17-17	12:45	-0.9	1	NO Flow	N
013	Seneca	Yoast	10-17-17	131 <i>55</i>	-13)	No flow	N
014	Seneca	Yoast	10-17-17	13:10	~1.1	1	No Flow	N
ST-1	Seneca	Yoast	10-18-17	07:10	-7.0	-	NO FIOU	N

CLIMATIC CONDITIONS:		
FIELD PERSONNEL: JH	FIELD PERSONNEL SIGNATURE:	
NOTES		

NOTES			
	 	-11	
			-
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