

Musick - DNR, Jason <jason.musick@state.co.us>

2nd Quarter Pond Inspections

1 message

Blomquist, Miranda <MBlomquist@peabodyenergy.com> To: "Musick - DNR, Jason" <jason.musick@state.co.us>

Mon, Aug 14, 2017 at 3:26 PM

Jason,

Attached are the 2nd quarter pond inspections for Hayden Gulch Loadout, Yoast Mine, and Seneca IIW. Let me know if you have any questions!

Thanks

Miranda Kawcak (Blomauist)

Engineering Technician - Environmental

Twentymile Coal, LLC

29515 Routt County Rd #27 Oak Creek, Colorado 80467

Office: (970) 870-2718 Cell: (970) 439-8273

Peabody

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3 attachments



2017 2QTR HGL Pond Insp.pdf 286K



2017 2QTR IIW Pond Insp.pdf



2017 2QTR Yoast Pond Insp.pdf 525K



Seneca Property, LLC

July 26, 2017

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

RE: Yoast Mine, Permit C-94-082, 2Q17 IIR

Dear Jason:

In accordance with Rule 4.05.9(17), please find enclosed the Yoast Mine Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL) for Ponds: Pond #010, Pond #011, Pond #011A, Pond #012A, Pond #013, Pond #014 and Stock Tank ST-1.

Maintenance is required at Ponds: #012 (flume). Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak (Blomquist)

TNS/tns

Enclosure: Yoast IIR

- Andread - Andr							
Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	Configuration	Cross-\	/alley Pond		
Date Inspected	5/1/2017	Date La	st Inspected	3/1	4/2017		
Impoundment	Pond #010	Pond	nd Location NW% NE%, Sec. 8, T5N, R87W RE Location S.5 mi SE of Hayden, CO Inspector Jason Herden		ec. 8, T5N, R87W	Ouar	rterly Impoundment Inspection Forn
NPDES ID No	CO-0000221 D.P. 010	Site				Company of the compan	
Owner's Rep	Brian Watterson	Ins					
		and the	Mark o	r Write in	Appropriate	Response:	
	FEATURE			PRO	BLEM		COMMENTS
			YES (AI	oove)	NO (Bel	ow)	
GENERAL		4/2017		- Wine			
Vater Level (above or	below principal spillway)		Х				water level 0.16 feet above spillway
Existing Embankment	Freeboard (10.1 ft)		10.:	1			• •
Outflow (gpm)			Х				78.2
EROSION			ration was	II JUNIOR			
Rills & Gullies on Em	bankment				Х		
Wave Erosion					Х		
Spillway Erosion					Х		
Burrows					Х		
Other					Х		
STRUCTURAL							
Differential Settling					X		
Cracks or Slides					Х		
Seepage					Х		
Other					Х		
STRUCTURES					minute Space		
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damag	ed Culvert		X	-			Intake starting to rust out but still functionable
Damaged Headgate	e				NA		
Emergency Spillway							
Erosion					Х		
Riprap					Х		
Clogged or Damage	ed Culvert				X		
Other					Х		
MAINTENACE							
Maintenance Required	d		Х				See comment above
Maintenance Perform	ed				Х		
A 4 150							

Additional Comments

Mining Area	Yoast Mine(Seneca Coal Co)	Facility C	onfiguration	Cross	-Vally Pond			
Date Inspected	5/2/2017	Date La	st Inspected	3/:	14/2017			
Impoundment	Pond #011	Pond	Location	NW% SW%, S	Sec. 16, T5N, R87W	Quarterly Impoundment Inspection For		
NPDES ID No	CO-0000221 D.P.011	Site	Location 8.5 mi SE of Hayden, CO		Company of the compan			
Owner's Rep	Brian Watterson	Ins	pector	Jaso	n Herden			
		Ter of	Mark	or Write in	Appropriate F	Response:		
	FEATURE			PRO	BLEM	<u> </u>	COMMENTS	
			YES (AI	bove)	NO (Belo	w)		
GENERAL								
Water Level (above or	r below principal spillway)				Х		Water level 0.04 feet above spillway	
Existing Embankment			5.2	!				
Outflow (gpm)			Х				19.08	
EROSION		Light						
Rills & Gullies on Em	bankment				Х			
Wave Erosion					Х			
Spillway Erosion				X				
Burrows					Х			
Other					Х			
STRUCTURAL			Marie Consti					
Differential Settling					X			
Cracks or Slides					X			
Seepage					Х			
Other					Х			
STRUCTURES		2342						
Principal Spillway								
Clogged Orifice					X			
Clogged or Damag					X			
Damaged Headgat	e		1		NA			
Emergency Spillway								
Erosion					X			
Riprap					Х			
Clogged or Damag	ed Culvert				X			
Other					X			
MAINTENACE			Section 19	the series of				
Maintenance Require					Х			
Maintenance Perform					X			
Additional Comments	5				V			

Additional Comments

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond
Date Inspected	5/1/2017	Date Last Inspected	3/14/2017
Impoundment	Pond #011A	Pond Location	SW¼ NW¼, Sec. 16, T5N, R87W
NPDES ID No	N/A	Site Location	8.5 mi SE of Hayden, CO
Owner's Rep	Brian Watterson	Inspector	Jason Herden

Quarterly Impoundment Inspection Form

Owner's Kep Brian Watterson		n Herden	
		Appropriate Response:	
FEATURE	PRO	BLEM	COMMENTS
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level is 0.04 above outlet pipe
Existing Embankment Freeboard (4.6 ft)	5.3		
Outflow (gpm)	X		1.6
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		Х	
Spillway Erosion		Х	
Burrows		Х	
Other		Х	
STRUCTURAL			
Differential Settling		Х	
Cracks or Slides		Х	
Seepage		Х	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		Х	
Clogged or Damaged Culvert		Х	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		Х	
Riprap		X	
Clogged or Damaged Culvert		Х	
Other		Х	
MAINTENACE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments	Х		

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Po	ond			
Date Inspected	5/1/2017	Date Last Inspected	3/14/2017	7			
Impoundment	Pond #012	Pond Location	NE¼ NW¼,Sec. 19, TS	N, R87W	Quarterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 012	Site Location	8.5 mi SE of Hayo	len, CO			
Owner's Rep	Brian Watterson	Inspector	Jason Herde	en			
III		Mark	or Write in Appr	opriate F	Response:		
	FEATURE		PROBLEM		COMMENTS		
		YES (Ab	oove)	NO (Belo	w)		
GENERAL			Stom proportion				
Water Level (above or	below principal spillway)	Х			Water level 0.05 feet above spillway		
Existing Embankment	Freeboard (9.0 ft)	9					
Outflow (gpm)		X			77.73		
EROSION	Maria (was the Ly						
Rills & Gullies on Em	bankment			Х			
Wave Erosion				Х			
Spillway Erosion				Χ			
Burrows				Х			
Other				Χ			
STRUCTURAL							
Differential Settling				Х			
Cracks or Slides				Х			
Seepage				Х			
Other				X			
STRUCTURES							
Principal Spillway							
Clogged Orifice				X			
Clogged or Damag				X			
Damaged Headgate	<u> </u>			NA			
Emergency Spillway							
Erosion				X			
Riprap	101			X			
Clogged or Damage	d Culvert			X			
Other				Х			
MAINTENACE							
Maintenance Required		X			Erosion behind and underneath flume		
Maintenance Performe				X			
Additional Comments				X			

Mining Area	Yoast Mine(Seneca Coal Co)	acility Configu	ratio	Cross-	-Vally Pond				
Date Inspected	5/1/2017	Date Last Inspe	ected	3/1	14/2017				
Impoundment	Pond #012A	Pond Location	cation 8.5 mi SE of Hayden, CO		ec. 19, T5N, R87W	Quarterly Impoundment Inspection Form			
NPDES ID No	N/A	Site Locatio			of Hayden, CO	Carrie and a supposed to the s			
Owner's Rep	Brian Watterson	Inspector			n Herden				
			Mark	or Write	in Appropriate	Response:			
	FEATURE			PR	OBLEM	COMMENTS			
_		7	YES (A	bove)	NO (Belo	ow)			
GENERAL									
Water Level (above or	r below principal spillway)				Х	Water level 0.9 feet below spillway			
Existing Embankment	Freeboard (4.6 ft)		6.	2					
Outflow (gpm)					X				
EROSION				1 23 33					
Rills & Gullies on Em	bankment				Х				
Wave Erosion					Х				
Spillway Erosion					Х				
Burrows					Х				
Other					Х				
STRUCTURAL									
Differential Settling					X				
Cracks or Slides					X				
Seepage					Х				
Other					X				
STRUCTURES		de de la companya de			William Co.				
Principal Spillway									
Clogged Orifice					X				
Clogged or Damag					X				
Damaged Headgate	e				NA NA				
Emergency Spillway									
Erosion					X				
Riprap	101				Х				
Clogged or Damage	ed Culvert				Х				
Other					X				
MAINTENACE									
Maintenance Required		<u> </u>			X				
Maintenance Perform					X				
Additional Comments	5				x				

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-V	/ally Pond			
Date Inspected	5/1/2017	Date Last Inspected	3/14	4/2017			
Impoundment	Pond #013	Pond Location	SE¼ NW¾, Sec	c. 19, T5N, R87W	Quarterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 013	Site Location	on 8.5 mi SE of Hayden, CO				
Owner's Rep	Brian Watterson	Inspector	Jason	Herden			
		Mark	or Write in	Appropriate :	Response:		
	FEATURE		PROB		COMMENTS		
		YES (A	bove)	NO (Bel	low)		
GENERAL		TELLING CALLS		Vertical Conference			
	below principal spillway)	Х			water level 0.04 feet above spillway		
Existing Embankment	Freeboard (4.0 ft)	4					
Outflow (gpm)		X			6		
EROSION							
Rills & Gullies on Emb	pankment			Х			
Wave Erosion				X			
Spillway Erosion				Х			
Burrows				X			
Other				X			
STRUCTURAL							
Differential Settling				X			
Cracks or Slides				X			
Seepage				X			
Other				X			
STRUCTURES							
Principal Spillway							
Clogged Orifice				X			
Clogged or Damage				X			
Damaged Headgate				NA			
Emergency Spillway			1				
Erosion				X			
Riprap	101			X			
Clogged or Damage	a Cuivert			X			
Other MAINTENACE				X			
Maintenance Required				X			
Additional Comments				X			
Additional Comments			l				

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally	Pond				
Date Inspected	5/1/2017	Date Last Inspected	3/14/20	17				
Impoundment	Pond #014	Pond Location	NE¼ SW¼, Sec. 19,	T5N, R87W	Ouai	terly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 014	Site Location	8.5 mi SE of Hayden, CO		<i>ypp</i>			
Owner's Rep	Brian Watterson	Inspector	Jason Her	rden				
		Mark o	r Write in App	ropriate F	lesponse:			
	FEATURE		PROBLEM			COMMENTS		
		YES (AI	bove)	NO (Bel	ow)			
GENERAL								
Water Level (above or	below principal spillway)			Х		water level 0.03 feet above spillway		
Existing Embankment	Freeboard (6.8 ft)	6.8	3					
Outflow (gpm)		X				1.66		
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			4					
Principal Spillway								
Clogged Orifice				Х				
Clogged or Damag	ed Culvert			Х				
Damaged Headgate	e			NA				
Emergency Spillway								
Erosion				Х				
Riprap				Х				
Clogged or Damage	ed Culvert			Х				
Other				Х				
MAINTENACE	THE SHEAT SHOWING							
Maintenance Required				Х				
Maintenance Perform	ed			Х				
Additional Comments	-							

Additional Comments

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Stoc	kpond				
Date Inspected	5/1/2017	Date Last Inspected	3/14	1/2017				
Impoundment	Stock Tank ST-1	Pond Location	SW¼ Sec. 20, T5N, R87W		Quarte	Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location	8.5 mi SE o	8.5 mi SE of Hayden, CO				
Owner's Rep	Brian Watterson	Inspector	Jason	Herden				
	To the second second second	Mark o	r Write in A	Appropriate l	Response:			
	FEATURE		PROB			COMMENTS		
		YES (At	ove)	NO (Bel	ow)			
GENERAL	To Edward We Will		A-Mary					
	below principal spillway)			Х		Water level is 1.3 feet below spillway		
EROSION								
Rills & Gullies on Em	bankment			X				
Wave Erosion				X				
Spillway Erosion				X				
Burrows				Х				
Other				X				
STRUCTURAL			- H & H(I					
Differential Settling				X				
Cracks or Slides				X				
Seepage				X				
Other				X				
STRUCTURES								
Principal Spillway								
Clogged Orifice	101			NA				
Clogged or Damag				NA				
Damaged Headgat	е			NA				
Emergency Spillway Erosion								
				X				
Riprap Clogged or Damag	ad Culvert			NA NA				
Other	eu Cuiven			X				
MAINTENACE				X				
Maintenance Require	d			X				
Maintenance Perform		-		X				
Additional Comments		X		^				
Additional Comments		^						

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

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	5-1-17	15:55	.40	180.4		N
003	Sage Creek	Sage Creek	5-1-17	15:30	0,10	15.10	animal burrows on Dam	N
004	Sage Creek	Sage Creek	5-1-17	16:15	ville	93		N
Lower Sump	Sage Creek	Sage Creek	5-1-17	18:15	0:09	111.5		N
PECOCO	Sage Creek	Sage Creek	5-1-17	19:10	0.1	155		N
Portal Sump 1	Sage Creek	Sage Creek	5-1-17	10:30	0.3	10		N
Portal Sump 2	Sage Creek	Sage Creek	5-1-17	18:45				N
Spill Control 2	Sage Creek	Sage Creek	5-1-17	18:05	-	_	Dis	N
Truck Wash	Sage Creek	Sage Creek	5-1-17	17:50	يعز	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	5-1-17	14'30	0,1	147		N
001	Seneca	Hayden Gulch	5-3-17	07:45	-13	~	NoFlow	N
002	Seneca	Hayden Gulch	5-3-17	08:20	_	_	DIS	N
005	Seneca	Seneca II West	5-1-17	11:30	0.08	17.23	Spring @ dam, no problems	N
006	Seneca	Seneca II West	5-1-17	08:50	0.15	118.02	bigsluscon Sisides no impact	N
009	Seneca	Seneca II West	54-17	12:40	-2,3		small look in standpipe	N
015	Seneca	Seneca II West	5-1-17	17:30	0.03	48,33	Standpipe has hole	
016	Seneca	Seneca II West	5-1-17	09:30	0.1	132.80	small lest under flume	У
017	Seneca	Seneca II West	5417	10:00	0.1	199.36		N
T-1	Seneca	Seneca II West	5-1-17	11:20	_	_	Drs	N
T-18	Seneca	Seneca II West	5-1-17	11:00	~1.0	_	NoFlow	N
T-2	Seneca	Seneca II West	5-1-17	09:05	-,4	_	NO Flow	N
T-20	Seneca	Seneca II West	5-1-17	11:15	7	-	NO Flow	N
T-22	Seneca	Seneca II West	5-1-17	11:40	-1.3		NO FLOW	N
T-24	Seneca	Seneca II West	5-1-17	11:55			DIS	N
T-25	Seneca	Seneca II West	5-1-17	09:50	_	_	Drz	N
T-26	Seneca	Seneca II West	5-1-17	10:30	-2.0			N

008 5-1-17 17:20 0.35 59.06 Pipe slightly sticking up N



SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	5-1-17	10:40	-1.4	~	NOFEN	N
T-3	Seneca	Seneca II West	5-1-17	09:15	-,9		NO Flow	N
T-5	Seneca	Seneca II West	5-1-17	10:20	-1.3		NO Flow	N
010	Seneca	Yoast	5-1-17	11:20	0.16	78.20	outlet is justed though	У
011	Seneca	Yoast	5-1-17	17:35	0.04	19.08	•	N
011A	Seneca	Yoast	5-1-17	16:35	0.04	1.6		N
012	Seneca	Yoast	5-1-17	13:05	0.05	77.73	undercutting undert behind F	rime V
012A	Seneca	Yoast	5-1-17	13:20	-0,9	_	NO Flow	N
013	Seneca	Yoast	5-1-17	13:45	0.04	6.0		N
014	Seneca	Yoast	5-1-17	14:20	0.03	1.66		N
ST-1	Seneca	Yoast	5-1-17	17:15	-1.3		NOFFW	N

CLIMATIC CONDITIONS: 37°F_55°F	ind calm - 22 MPH variable,	clear-mostly	chudy
FIELD PERSONNEL:	FIELD PERSONNEL SIGNATURE:		

NOTES			
	**		
	Address of the second of the s		

