

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 Andread							
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	Location	NW¼ NE¼, S	Sec. 8, T5N, R87W	Ouar	terly Impoundment Inspection Forn
NPDES ID No	CO-0000221 D.P. 010	Site 1	Site Location 8.5 mi SE of Hayden, CO Inspector Jason Herden		£	C	
Owner's Rep	Brian Watterson	Ins			n Herden		
				r Write in	Appropriate	Response:	
	FEATURE			PRO	BLEM		COMMENTS
			YES (AI	oove)	NO (Bel	low)	
GENERAL		4/51 51		- Wilson'			
Water 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							
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					X		
Other					Х		
STRUCTURES		74					
Principal Spillway							
Clogged Orifice					Х		
Clogged or Damag			X				Intake starting to rust out but still functionable
Damaged Headgate	e				NA		
Emergency Spillway							
Erosion					X		
Riprap					X		
Clogged or Damage	ed Culvert				X		
Other					Х		
MAINTENACE		Hand in 8					
Maintenance Required			X				See comment above
Maintenance Perform	ed				Х		
A 4 1505 - 1 O							

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%, Sec. 16, T5N, R87W 8.5 mi SE of Hayden, CO		Sec. 16, T5N, R87W	Quart	terly Impoundment Inspection Forn	
NPDES ID No	CO-0000221 D.P.011	Site 1			C			
Owner's Rep	Brian Watterson	Ins	pector	Jaso	n Herden			
		Ter in	Mark	or Write in	Appropriate F	Response:		
	FEATURE			PRO	BLEM	<u> </u>	COMMENTS	
			YES (AI	bove)	NO (Belo	w)		
GENERAL		440						
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		222						
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 second				
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		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
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 F	ond			
Date Inspected	5/1/2017	Date Last Inspected	3/14/201	.7			
Impoundment	Pond #012	Pond Location	NE¼ NW¼,Sec. 19,	T5N, R87W	Quarterly Impoundment Inspection Form		
NPDES ID No	CO-0000221 D.P. 012	Site Location	8.5 mi SE of Hay	den, CO	7 r r		
Owner's Rep	Brian Watterson	Inspector	Jason Hero	len			
III		Mark	or Write in App	ropriate F	Response:		
	FEATURE		PROBLEM		COMMENTS		
		YES (Ab	oove)	NO (Belo	ow)		
GENERAL			Remove the				
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							
Rills & Gullies on Em	bankment			Х			
Wave Erosion				Х			
Spillway Erosion				Х			
Burrows				Х			
Other				X			
STRUCTURAL							
Differential Settling				Х			
Cracks or Slides				X			
Seepage				X			
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		4.0	Erosion behind and underneath flume		
Maintenance Performe				X			
Additional Comments				X			

Mining Area	Yoast Mine(Seneca Coal Co)	acility Configur	atio	Cross-	Vally Pond				
Date Inspected	5/1/2017	Date Last Inspe	cted	3/1	4/2017				
Impoundment	Pond #012A	Pond Locatio			ec. 19, T5N, R87W	Quarterly Impoundment Inspection Form			
NPDES ID No	N/A	Site Location			of Hayden, CO				
Owner's Rep	Brian Watterson	Inspector		Jaso	n Herden				
			lark	or Write	in Appropriate	e Response:			
	FEATURE			PR	OBLEM	COMMENTS			
		Y	ES (A	bove)	NO (Belo	ow)			
GENERAL			111/1						
Water Level (above or	r below principal spillway)				X	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					X				
STRUCTURAL									
Differential Settling					X				
Cracks or Slides					X				
Seepage					Х				
Other					Х				
STRUCTURES					OILI CONTRACTOR				
Principal Spillway									
Clogged Orifice					X				
Clogged or Damag					X				
Damaged Headgate	e				NA NA				
Emergency Spillway									
Erosion					X				
Riprap	101				X				
Clogged or Damage	ed Culvert				X				
Other					x				
MAINTENACE			1						
Maintenance Required					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	/2017		
Impoundment	Pond #013	Pond Location			Quarterly Impoundment Inspection Fo	orm
NPDES ID No	CO-0000221 D.P. 013	Site Location	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	ow)	
GENERAL		THE THE PARTY OF T				
	below principal spillway)	X			water level 0.04 feet above spillway	
Existing Embankment	Freeboard (4.0 ft)	4				
Outflow (gpm)		X	<u> </u>		6	
EROSION				- TE-7/44 H.T.		
Rills & Gullies on Emb	bankment			X		
Wave Erosion				X		
Spillway Erosion				Х		
Burrows				X		
Other				X		
STRUCTURAL			<u> </u>			
Differential Settling				X		
Cracks or Slides				X		
Seepage				X		
Other				Х		
STRUCTURES						
Principal Spillway						
Clogged Orifice	-1 Culous			X		
Clogged or Damage				NA		
Damaged Headgate Emergency Spillway				NA.		
Erosion			ı	X		
Riprap				X		
Clogged or Damage	d Culvert			^		
Other	a Curvett			^		
MAINTENACE						
Maintenance Required				X		
Maintenance Performe				X		
Additional Comments				X		
- totalional comments						

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration					
Date Inspected	5/1/2017	Date Last Inspected	3/14/2	2017			
Impoundment	Pond #014	Pond Location	NE¼ SW¼, Sec. 1	~~~~	Quarterly Impoundment Inspection F		
NPDES ID No	CO-0000221 D.P. 014	Site Location	8.5 mi SE of H	łayden, CO			
Owner's Rep	Brian Watterson	Inspector	Jason H	erden			
		Mark o	r Write in Ap		esponse:		
	FEATURE		PROBLE			COMMENTS	
		YES (A	bove)	NO (Belo	w)		
GENERAL							
	below principal spillway)			Х		water level 0.03 feet above spillway	
Existing Embankment	Freeboard (6.8 ft)	6.8	3				
Outflow (gpm)		Х				1.66	
EROSION							
Rills & Gullies on Em	bankment			Х			
Wave Erosion				Х			
Spillway Erosion				Х			
Burrows			X				
Other				X			
STRUCTURAL							
Differential Settling				X			
Cracks or Slides				X			
Seepage				Х			
Other				Х			
STRUCTURES			4				
Principal Spillway							
Clogged Orifice				X			
Clogged or Damag				X			
Damaged Headgate	e			NA			
Emergency Spillway							
Erosion				Х			
Riprap				Х			
Clogged or Damage	ed Culvert			Х			
Other				Х			
MAINTENACE							
Maintenance Required				X			
Maintenance Perform				X			
Additional Comments	S			Х	J		

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Stoc	kpond			
Date Inspected	5/1/2017	Date Last Inspected	3/14	4/2017			
Impoundment	Stock Tank ST-1	Pond Location	SW¼ Sec. 20, T5N, R87W		Quarterly Impoundment Inspection Form		
NPDES ID No	N/A	Site Location	8.5 mi SE o	of Hayden, CO			
Owner's Rep	Brian Watterson	Inspector	Jason	Herden			
	The second second second second	Mark o	r Write in A	Appropriate l			
	FEATURE		PROB		COMMENTS		
		YES (Ab	ove)	NO (Bel	low)		
GENERAL	rice Standard we still			AND OF MILE			
	r below principal spillway)			Х	Water level is 1.3 feet below spillway		
EROSION							
Rills & Gullies on Em	bankment			Х			
Wave Erosion				X			
Spillway Erosion				X			
Burrows				X			
Other				X			
STRUCTURAL							
Differential Settling				X			
Cracks or Slides				X			
Seepage				X			
Other STRUCTURES				X			
Principal Spillway Clogged Orifice				NA			
Clogged Office Clogged or Damag	and Culvert			NA NA			
Damaged Headgate				NA NA	·		
Emergency Spillway				NA NA	·		
Erosion			1	X			
Riprap				X			
Clogged or Damage	ed Culvert			NA NA			
Other				X	· · · · · · · · · · · · · · · · · · ·		
MAINTENACE		8 = 10 - 5 - 5 - 5 - 5 - 5 - 5 - 5					
Maintenance Require	d			х			
Maintenance Perform				X			
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

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	19'30	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	_	_	פוס	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	big slustion 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 legt unda 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		_	Dry	N
T-18	Seneca	Seneca II West	5-1-17	11:00	~1.0	_	NoFlow	N
T-2	Seneca	Seneca II West		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		

