

October 8, 2020

Robin Reilley Colorado Division of Reclamation, Mining and Safety 1313 Sherman St., Room 215 Denver, CO 80203

RE: 3rd Quarter and Annual Pond Inspections – Williams Fork Mine (C 1981-044)

Ms. Reilley:

Enclosed are the 3rd quarter 2020 and Annual pond inspection reports for the Williams Fork Mine. Jenna Spencer (P.E.) accompanied on the inspection and has provided a Professional Engineer's Statement on the following page of this letter to accompany the inspection reports. Please contact me if there are any questions or if you need any additional information.

Best Regards,

Miranda Kawcak

Environmental Manager

Peabody, Colorado Operations

Muada Kawak

Attachments:

Professional Engineer Certification (Jenna Spencer, P.E.) Inspection Reports

CERTIFICATION

I, Jenna Spencer, a registered engineer in the State of Colorado do hereby certify that I have reviewed the attached Williams Fork Mine Sediment Pond Reports covering the third quarter of 2020, and that they are true and correct to the best of my knowledge and belief.

Jenna Spericer CO P.E. No. 57583

9124120

Date

OPERATOR: EMPIRE CORPORATION				
MINE: <u>EMPIRE NOS. 5 & 6 MINES</u>				
DATE OF INSPECTION: 9-22-202	٥			
	1	2	3	4
POND INSPECTION	Spoil Springs	}		
CDFS OUTFALL#	22 Site 1S	Р		
OPERATIONAL STATUS AT TIME OF INSI	PECTION			
	<u> </u>			
Approximate water level:	<u>)</u> (4		
Sediment level (% total storage):	<10%	<u> </u>		
Outflow (cfs):				
FEATURES	PRO	3LEM	COM	MENTS
LATORES	YES	NO	•	,,_,,,,
EROSIONAL			**************************************	
Rills & Gullies on Embankment				
Inadequate Vegetation		-		
Outlet Channel Erosion		lorente		
Burrows		l _a		
Other		l-mark		
		V		
STRUCTURAL		_		
Differential Setting		\\		
Cracks or slides		No.		
Seepage				
Other				
APPURTENANT STRUCTURES		_		1
Defective Spillways			wier v	neea
Dewatering Device Clogged			repair	ed.
Faulty Gates, Baffles, Pump			repair	sted.
Other				
ADDITIONAL COMMENTS:				
MAINTENANCE REQUIRED: Wier needs replaced				
NAME OF INSPECTOR: M. Kawrak				

OPERATOR: EMPIRE CORPORATION				
MINE: <u>EMPIRE NOS. 5 & 6 MINES</u>				
DATE OF INSPECTION: 9-22-20	20_			
POND INSPECTION	1 5-P5	2 5-P6	3 5-P7	4
FOND MOFECTION	5-7-5	15-10	1 - F 1	
	SED. POND	SED. POND	SED. POND	
CDFS OUTFALL #	003	003	003	
OPERATIONAL STATUS AT TIME OF INS	PECTION			
Approximate water level:	Re	clainee	1	
Sediment level (% total storage):		•		
Outflow (cfs):				
FEATURES	PRO	BLEM	COMN	MENTS
	YES	NO		
EROSIONAL				
Rills & Gullies on Embankment				
Inadequate Vegetation				
Outlet Channel Erosion				
Burrows				
Other	***************************************			
STRUCTURAL				
Differential Setting Cracks or slides				
Seepage Other	<u> </u>			
Otilei		<u> </u>		
APPURTENANT STRUCTURES				
Defective Spillways			İ	
Dewatering Device Clogged				
Faulty Gates, Baffles, Pump			1	
Other				
ADDITIONAL COMMENTS:		******		
MAINTENANCE REQUIRED:			waterway	
NAME OF INSPECTOR: M. Kaw	cak_			

OPERATOR: EMPIRE CORPORATION				
MINE: <u>EMPIRE NOS. 5 & 6 MINES</u>				
DATE OF INSPECTION: 9-22-20				
POND INSPECTION	9-P1	9-P2	3 9-P3	9-P4
FOND INSPECTION	3-1-1	1	3-1-0	6-1-4
	SED. POND	SED. POND	SED. POND	SED. POND
CDFS OUTFALL#	L		024	014
OPERATIONAL STATUS AT TIME OF INS	PECTION			
Approximate water level:	A	11 DM		
Sediment level (% total storage):		<10% O	*	
Outflow (cfs):	-			
			•	
FEATURES		BLEM	COM	MENTS
	YES	NO		·····
EROSIONAL				
Rills & Gullies on Embankment		W		
Inadequate Vegetation		3/	-	
Outlet Channel Erosion		200	}	
Burrows		1/-		
Other	*********	1,000	-	
STRUCTURAL				······································
Differential Setting				
Cracks or slides	*******	2		
Seepage		i agent		
Other				
APPURTENANT STRUCTURES				
Defective Spillways		1,000		
Dewatering Device Clogged		le constitution de la constituti		
Faulty Gates, Baffles, Pump		1		
Other		2,000		
ADDITIONAL COMMENTS:		•		
MAINTENANCE REQUIRED: NOn-e				
NAME OF INSPECTOR: M. Kawa	K			

OPERATOR: EMPIRE CORPORATION				
MINE: <u>EMPIRE NOS. 5 & 6 MINES</u>				
DATE OF INSPECTION: 9-22-20	<u>20</u>			
POND INSPECTION	1 HR-P1A	2 HR-P1B	3	4
CDFS OUTFALL #	SED. POND	SED. POND		
OPERATIONAL STATUS AT TIME OF INSI	PECTION			
Approximate water level: Sediment level (% total storage): Outflow (cfs):	A11 <10°	Dry Mu		
FEATURES	PROI YES	PROBLEM COMMEN		
EROSIONAL Rills & Gullies on Embankment Inadequate Vegetation Outlet Channel Erosion Burrows Other				
STRUCTURAL Differential Setting Cracks or slides Seepage Other				
APPURTENANT STRUCTURES Defective Spillways Dewatering Device Clogged Faulty Gates, Baffles, Pump Other				A Marine Marine
MAINTENANCE REQUIRED: NONE NAME OF INSPECTOR: M. Law	eak			

OPERATOR: EMPIRE CORPORATION				
MINE: <u>EMPIRE NOS. 5 & 6 MINES</u>				
DATE OF INSPECTION: 9-22-2	020			
Vision I and the second	1	2	3	4
POND INSPECTION	5A-P1			
	SED. POND			
CDFS OUTFALL#	009			
OPERATIONAL STATUS AT TIME OF INSI	PECTION			
Approximate water level:	\mathcal{D}	rU		
Sediment level (% total storage):	4100	}		
	~ 16# (.6		
Outflow (cfs):	(_)			
FEATURES	PRO	BLEM	COM	/IENTS
LATORES	YES	NO		
EROSIONAL	1			
Rills & Gullies on Embankment		المستحمدا		
Inadequate Vegetation		-		
Outlet Channel Erosion				
Burrows		1		
Other		- Farmer		
Other				
STRUCTURAL				
Differential Setting		مسما		
Cracks or slides		in		
Seepage		1/		
Other		1		
5.1.5.				
APPURTENANT STRUCTURES				· · · · · · · · · · · · · · · · · · ·
Defective Spillways		1		
Dewatering Device Clogged		i de la compania del compania del compania de la compania del la compania de la compania		
Faulty Gates, Baffles, Pump		la de la constante de la const		
Other	Ÿ			
ADDITIONAL COMMENTS:				
MAINTENANCE REQUIRED: NONL				
NAME OF INSPECTOR: M. Hawe	nk			