



Moffat County Mining, LLC
29515 RCR 27
Oak Creek, CO 80467

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,

A handwritten signature in dark ink that reads "Miranda Kawcak". The signature is fluid and cursive, with the first name "Miranda" and last name "Kawcak" clearly legible.

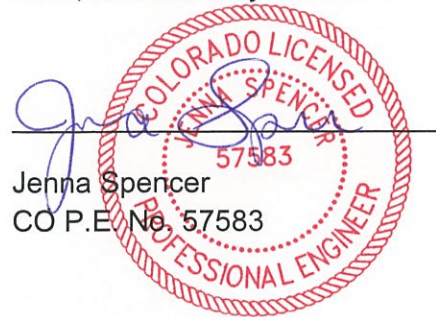
Miranda Kawcak
Environmental Manager
Peabody, Colorado Operations

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 Spencer
CO P.E. No. 57583

9/24/20

Date

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 9-22-2020

POND INSPECTION

	1	2	3	4
Spoil Springs				
✓				

CDFS OUTFALL #

022 Site 1SP

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Dry

Sediment level (% total storage):

<10%

Outflow (cfs):

-

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Setting		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	wier need repaired, rusted.
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other			
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: Wier needs replaced			

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 9-22-2020

POND INSPECTION

1	2	3	4
5-P5 ✓	5-P6 ✓	5-P7 ✓	
SED. POND	SED. POND	SED. POND	

CDFS OUTFALL #

003

003

003

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Reclaimed

Sediment level (% total storage):

—

Outflow (cfs):

—

FEATURES	PROBLEM		COMMENTS
	YES	NO	
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			
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kawalek

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 9-22-2020

POND INSPECTION

1	2	3	4
9-P1 ✓	9-P2 ✓	9-P3 ✓	9-P4 ✓
SED. POND	SED. POND	SED. POND	SED. POND

CDFS OUTFALL #

024

014

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

All Dry
<10%
—

FEATURES	PROBLEM		COMMENTS
	YES	NO	
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		✓	
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 9-22-2020

POND INSPECTION

1	2	3	4
HR-P1A ✓	HR-P1B ✓		
SED. POND	SED. POND		

CDFS OUTFALL #

004

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

All Dry

<10%

FEATURES	PROBLEM		COMMENTS
	YES	NO	
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		✓	
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 9-22-2020

	1	2	3	4
POND INSPECTION	5A-P1 ✓			
	SED. POND			

CDFS OUTFALL # 009

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level: Dry
Sediment level (% total storage): <10%
Outflow (cfs): 0

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Settling		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other		✓	
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Hawcak