



Seneca Yoast Mine
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 – Seneca Yoast Mine (C 1994-082)

Ms. Reilley:

Enclosed are the 3rd quarter 2020 and Annual pond inspection reports for the Seneca Yoast 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 cursive script that reads "Miranda Kawcak".

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 Seneca Yoast 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

The seal is a red circular stamp. The outer ring contains the text "COLORADO LICENSED" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner circle contains the name "JENNA SPENCER" and the number "57583".

9/24/20
Date

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Valley Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/1/2020	
Impoundment	Pond# 010	Pond Location	NW¼ NE¼, Sec. 8, T5N, R87W	
NPDES ID No	CO-0000221 D.P. 010	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)	X		~5 GPM
Existing Embankment Freeboard (10.1 ft)	10.1		
Outflow (gpm)	X		
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	Outlet Culvert starting to rust out but still functional
Clogged or Damaged Culvert	X		
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENANCE			
Maintenance Required	X		See comment above
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/2/2020	
Impoundment	Pond #011	Pond Location	NW¼ SW¼, Sec. 16, T5N, R87W	
NPDES ID No	CO-0000221 D.P.011	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	
Existing Embsnknrnt Freeboard (5.1 ft)	~9		
Outflow (gpm)		X	
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/2/2020	
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	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	0
Existing Embsnkmrnt Freeboard (4.6 ft)	~7		
Outflow (gpm)		X	
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENACE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area	Yeast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/27/2020	Date Last Inspected	6/1/2020	
Impoundment	Pond #012	Pond Location	NE¼ NW¼, Sec. 19, T5N, R87W	
NPDES ID No	CO-0000221 D.P. 012	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)	X		~75 GPM
Existing Embsnkmrnt Freeboard (9.0 ft)	9		
Outflow (gpm)	X		
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENACE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/3/2020	
Impoundment	Pond #012A	Pond Location	NE¼ NW¼, Sec. 19, T5N, R87W	
NPDES ID No	N/A	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level 1.5 feet below spillway
Existing Embsnkmrnt Freeboard (4.6 ft)	6.1		
Outflow (gpm)		X	
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENACE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yeast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/1/2020	
Impoundment	Pond #013	Pond Location	SE¼ NW¼, Sec. 19, T5N, R87W	
NPDES ID No	CO-0000221 D.P. 013	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			
FEATURE	PROBLEM		COMMENTS
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	2.0 ft below outlet
Existing Embsnkmrnt Freeboard (4.0 ft)	6		
Outflow (gpm)		X	0
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	Seep below toe of dam on south side is from a native spring. Not affecting dam embankment.
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/1/2020	
Impoundment	Pond #014	Pond Location	NE¼ SW¼, Sec. 19, T5N, R87W	
NPDES ID No	CO-0000221 D.P. 014	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			
FEATURE	PROBLEM		COMMENTS
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	1.2 feet below outlet
Existing Embsnkmrnt Freeboard (6.8 ft)	8		
Outflow (gpm)		X	0
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		X	
Clogged or Damaged Culvert		X	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Yoast Mine(Seneca Coal Co)	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	9/24/2020	Date Last Inspected	6/2/2020	
Impoundment	ST-1	Pond Location	SW¼ Sec. 20, T5N, R87W	
NPDES ID No	N/A	Site Location	8.5 mi SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jenna Spencer	

Mark or Write in Appropriate Response:			
FEATURE	PROBLEM		COMMENTS
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level 3 feet below spillway
EROSION			
Rills & Gullies on Embankment		X	
Wave Erosion		X	
Spillway Erosion		X	
Burrows		X	
Other		X	
STRUCTURAL			
Differential Settling		X	
Cracks or Slides		X	
Seepage		X	
Other		X	
STRUCTURES			
Principal Spillway			
Clogged Orifice		NA	
Clogged or Damaged Culvert		NA	
Damaged Headgate		NA	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		NA	
Other		X	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	