



Seneca Yoast Mine  
29515 RCR 27  
Oak Creek, CO 80467

October 13, 2023

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 3<sup>rd</sup> quarter 2023 and Annual pond inspection reports for the Seneca Yoast Mine. I personally inspected each pond and have 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 black ink that reads "Miranda Kawcak". The signature is written in a cursive, flowing style.

Miranda Kawcak  
Environmental Manager  
Peabody, Colorado Operations

**Attachments:**

Professional Engineer Certification (Miranda Kawcak, P.E.)  
Inspection Reports

**CERTIFICATION**

*I, Miranda Lynn Kawcak, 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 2023, and that they are true and correct to the best of my knowledge and belief.*

Miranda Kawcak

Miranda Lynn Kawcak  
CO P.E. No. 59419

10-13-23

Date



<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Valley Pond	<b>Quarterly Impoundment Inspection Form</b>
	6/26/2023		9/20/2023	
	Pond# 010		NW¼ NE¼, Sec. 8, T5N, R87W	
	CO-0000221 D.P. 010		8.5 mi SE of Hayden, CO	
Miranda Kawcak			Miranda Kawcak	
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	0.1'
Existing Embankment Freeboard ( 10.1 ft)		x		10.2 FT
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	Outlet Rusted but functional
Maintenance Performed			X	
Additional Comments		X		

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	6/26/2023		9/20/2023	
	Pond #011		NW¼ SW¼, Sec. 16, T5N, R87W	
	CO-0000221 D.P.011		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Miranda Kawcak	
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	6 FT
Existing Embsnkmrnt Freeboard (5.1 ft)		X		11.1 FT
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	6/29/2023		9/20/2023	
	Pond #011A		SW¼ NW¼, Sec. 16, T5N, R87W	
	N/A		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Miranda Kawcak	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	4.6 ft
Existing Embsnkmrnt Freeboard (4.6 ft)		X		~8Ft
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

Top of Sediment Storage = 2.1 feet below top of pipe

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	9/20/2023		6/26/2023	
	Pond #012		NE¼ NW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 012		8.5 mi SE of Hayden, CO	
Miranda Kawcak	Miranda Kawcak			
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)		X		0.1
Existing Embsnkmrnt Freeboard (9.0 ft)		X		8.9
Outflow (gpm)		X		~35 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	3/21/2023		10/20/2022	
	Pond #012A		NE¼ NW¼, Sec. 19, T5N, R87W	
	N/A		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Mike Howard	
<b>Mark or Write in Appropriate Response:</b>				
<b>FEATURE</b>		<b>PROBLEM</b>		<b>COMMENTS</b>
		<b>YES (Above)</b>	<b>NO (Below)</b>	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	3.5'
Existing Embsnkmrnt Freeboard (4.6 ft)		X		8.1'
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENANCE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	9/20/2023		6/26/2023	
	Pond #013		SE¼ NW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 013		8.5 mi SE of Hayden, CO	
Miranda Kawcak	Miranda Kawcak			
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	1.8 ft
Existing Embsnkmrnt Freeboard (4.0 ft)		X		5.8 ft
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	



<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yoast Mine(Seneca Coal Co)	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
	9/20/2023		6/26/2023	
	Pond #014		NE¼ SW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 014		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Miranda Kawcak	
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (above or below principal spillway)			X	2.6 ft
Existing Embsnkmrnt Freeboard (6.8 ft)		X		9.4 ft
Outflow (gpm)			X	0 GPM
<b>EROSION</b>				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
<b>STRUCTURAL</b>				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
<b>STRUCTURES</b>				
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	
<b>MAINTENACE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	