

December 4, 2024

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

**RE: Seneca Yoast Mine, Permit C-1994-082, Fourth Quarter 2024 IIR**

CDRMS-

In accordance with Rule 4.05.9(17), please find enclosed the Seneca Yoast Mine (SYM) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL). Please contact me with any comments and/or questions.

Best regards,

*Miranda Kawcak*

Miranda Kawcak  
Environmental Manager  
Peabody, Colorado Operations

Enclosure: SYM 4Q24 IIR

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Yoast Mine(Seneca Coal Co)	Facility Configuration  Date Last Inspected  Pond Location Site Location Inspector	Cross-Valley Pond	Quarterly Impoundment Inspection Form
	11/12/2024		9/12/2024	
	Pond #010		NW¼ NE¼, Sec. 8, T5N, R87W	
	CO-0000221 D.P. 010		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (ft above or below principal spillway)		X		0.1 FT
Existing Embankment Freeboard (10.1 ft)		X		10 FT
Outflow (gpm)		X		2 GPM
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		

<b>Mining Area</b>	Yeast Mine(Seneca Coal Co)	<b>Facility Configuration</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
<b>Date Inspected</b>	10/16/2024	<b>Date Last Inspected</b>	9/12/2024	
<b>Impoundment</b>	Pond #011	<b>Pond Location</b>	NW¼ SW¼, Sec. 16, T5N, R87W	
<b>NPDES ID No</b>	CO-0000221 D.P.011	<b>Site Location</b>	8.5 mi SE of Hayden, CO	
<b>Owner's Rep</b>	Miranda Kawcak	<b>Inspector</b>	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (ft above or below principal spillway)		X	4.1 FT	
Existing Embankment Freeboard (5.1 ft)	X		9.2 FT	
Outflow (gpm)		X	0 GPM	
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		

<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>
	10/16/2024		9/12/2024	
	Pond #011A		SW¼ NW¼, Sec. 16, T5N, R87W	
	N/A		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (ft above or below principal spillway)			X	3 FT
Existing Embankment Freeboard (4.6 ft)		X		7.6 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>MAINTENANCE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

Top of Sediment Storage = 2.1 feet below top of pipe

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Yoast Mine(Seneca Coal Co)	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	11/12/2024	Date Last Inspected	9/12/2024	
	Pond #012	Pond Location	NE¼ NW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 012	Site Location	8.5 mi SE of Hayden, CO	
	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (ft above or below principal spillway)	X		0.1 FT	
Existing Embankment Freeboard (9.0 ft)	X		8.9 FT	
Outflow (gpm)	X		42 GPM	
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		

<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>
	11/12/2024		9/12/2024	
	Pond #012A		NE¼ NW¼, Sec. 19, T5N, R87W	
	N/A		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
<b>Mark or Write in Appropriate Response:</b>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (ft above or below principal spillway)			X	3 FT
Existing Embankment Freeboard (4.6 ft)		X		7.6 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>MAINTENANCE</b>				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Yoast Mine(Seneca Coal Co)	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	11/12/2024		9/12/2024	
	Pond #013		SE¼ NW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 013		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (ft above or below principal spillway)		X	1.7	
Existing Embankment Freeboard (4.0 ft)	X		5.7 FT	
Outflow (gpm)		X	0 GPM	
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		

<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>
	11/12/2024		9/12/2024	
	Pond #014		NE¼ SW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 014		8.5 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
<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 (ft above or below principal spillway)		X	3.6 FT	
Existing Embankment Freeboard (6.8 ft)	X		10.4 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>				
<b>Principal Spillway</b>				
Clogged Orifice		X		
Clogged or Damaged Culvert		X		
Damaged Headgate		NA		
<b>Emergency Spillway</b>				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		X		
Other		X		
<b>MAINTENANCE</b>				
Maintenance Required		X		
Maintenance Performed		X		
Additional Comments	X			NEW OUTLET STRUCTURE INSTALLED.



# IMPOUNDMENT INSPECTION LOG

## JOB DATA

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2023-086 (PSCM), 2023-087 (SCC)
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## FLOW DATA

SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	10-15-24	0.3	48	new flume	~
003	Sage Creek	Sage Creek	10-15-24	0.1	2.4	some animal burrows	~
Lower Sump	Sage Creek	Sage Creek	10-15-24	0.1	49		~
Pecoco	Sage Creek	Sage Creek	10-15-24	0.1	53		~
Portal Sump 1	Sage Creek	Sage Creek	10-15-24	0.1	3		~
Portal Sump 2	Sage Creek	Sage Creek	10-15-24	0.1	-	not pumping	~
Spill Control 2	Sage Creek	Sage Creek	10-15-24	0.2	-	no Flow	~
Truck Wash	Sage Creek	Sage Creek	10-15-24	-	-	Dry	~
Upper Sump	Sage Creek	Sage Creek	10-15-24	0.1	54		~
006	Seneca	Seneca II West	10-15-24	0.1	50	stuff on S. side, not affecting	~
015	Seneca	Seneca II West	10-15-24	0.1	15		~
016	Seneca	Seneca II West	10-15-24	0.1	26		~
017	Seneca	Seneca II West	10-15-24	0.1	2		~
T-2	Seneca	Seneca II West	10-16-24	-	-	Dry	~
T-3	Seneca	Seneca II West	10-16-24	-3.5	-	no Flow	~
010	Seneca	Yoast	11-12-24	0.1	2	new outlet structure	~
011	Seneca	Yoast	10-16-24	-4.1	-		~
011A	Seneca	Yoast	10-16-24	-3.0	-		~
012	Seneca	Yoast	11-12-24	0.1	43		~
012A	Seneca	Yoast	11-12-24	-3.0	-		~
013	Seneca	Yoast	11-12-24	-1.7	-		~
014	Seneca	Yoast	11-12-24	-3.6	-	new outlet structure	~

FIELD PERSONNEL: JH

FIELD PERSONNEL SIGNATURE:

*[Signature]*

## NOTES
