



Seneca Yoast Mine  
29515 Routt County Road 27  
Oak Creek, CO 80467

July 19, 2023

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

**RE: Seneca Yoast Mine, Permit C-94-082, Second Quarter 2023 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 2Q23 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
	6/26/2023		3/21/2023	
	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		10.0 FT
Outflow (gpm)		X		1.1 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		
				OUTLET RUSTED BUT REMAINS FUNCTIONAL

<b>Mining Area</b> <b>Date Inspected</b> <b>Impoundment</b> <b>NPDES ID No</b> <b>Owner's Rep</b>	Yeast 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		3/21/2023	
	Pond #011		NW¼ SW¼, Sec. 16, T5N, R87W	
	CO-0000221 D.P.011		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	0.9 FT
Existing Embankment Freeboard (5.1 ft)		X		6.0 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		3/21/2023	
	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	1.5 FT
Existing Embankment Freeboard (4.6 ft)		X		6.1 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	

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>	Yeast 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		3/21/2023	
	Pond #012		NE¼ NW¼, Sec. 19, T5N, R87W	
	CO-0000221 D.P. 012		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		0.1 FT
Existing Embankment Freeboard (9.0 ft)		X		8.9 FT
Outflow (gpm)		X		106 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		3/21/2023	
	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	1.0 FT
Existing Embankment Freeboard (4.6 ft)		X		5.6 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
	6/26/2023		3/21/2023	
	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	0.5 FT	
Existing Embankment Freeboard (4.0 ft)	X		4.5 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>	Yeast 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		3/21/2023	
	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>				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
<b>GENERAL</b>				
Water Level (ft above or below principal spillway)			X	0.8 FT
Existing Embankment Freeboard (6.8 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	



# IMPOUNDMENT INSPECTION LOG

## JOB DATA

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2021-095 (PSCM), 2021-096 (SCC)
-----------------------------------	-----------------	---

## FLOW DATA

SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-26-23	OH	210.8	Some water going under flow	Y
003	Sage Creek	Sage Creek	6-26-23	0.1	2.8	Some animal burrows	N
004	Sage Creek	Sage Creek	6-26-23	0.1	69.1		N
Lower Sump	Sage Creek	Sage Creek	6-27-23	0.1	88.7		N
PECOCO	Sage Creek	Sage Creek	6-28-23	0.1	93.6		N
Portal Sump 1	Sage Creek	Sage Creek	6-29-23	-	-	No Flow	N
Portal Sump 2	Sage Creek	Sage Creek	6-29-23	0.1	-	Not Pumping	N
Spill Control 2	Sage Creek	Sage Creek	6-29-23	0.3	-	No Flow	N
Truck Wash	Sage Creek	Sage Creek	6-29-23	-	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	6-29-23	0.1	96.3		N
001	Seneca	Hayden Gulch	6-27-23	-2.2	-	No Flow	N
002	Seneca	Hayden Gulch	6-27-23	-2.8	-	No Flow	N
005	Seneca	Seneca II West	6-26-23	-0.4	-	No Flow	N
006	Seneca	Seneca II West	6-26-23	0.1	86		N
009	Seneca	Seneca II West	6-26-23	-0.9	-	No Flow	N
015	Seneca	Seneca II West	6-26-23	0.1	13.6		N
016	Seneca	Seneca II West	6-26-23	0.1	71.6		N
017	Seneca	Seneca II West	6-26-23	0.1	14.7		N
T-1	Seneca	Seneca II West	6-29-23	-	-	Dry	N
T-18	Seneca	Seneca II West	6-29-23	-2.3	-	No Flow	N
T-2	Seneca	Seneca II West	6-29-23	-	-	Dry	N
T-20	Seneca	Seneca II West	6-29-23	-0.2	-	No Flow	N
T-22	Seneca	Seneca II West	6-29-23	-1.4	-	No Flow	N
T-24	Seneca	Seneca II West	6-29-23	-	-	Dry	N
T-25	Seneca	Seneca II West	6-29-23	-	-	Dry	N
T-26	Seneca	Seneca II West	6-29-23	-1.9	-	No Flow	N

