

April 21, 2025

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

RE: Seneca II West Mine, Permit C-1982-057, First Quarter 2025 IIR

CDRMS-

In accordance with Rule 4.05.9(17), please find enclosed the Seneca II West Mine (SIIW) 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: SIIW 1Q25 IIR

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/25/2025		10/15/2024	
	Pond #006		NW¼ NW¼, Sec. 22, T5N, R88W	
	CO-0000221 D.P. 006		8 mi. S 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 (7.5 ft)	X		7.4 FT	
Outflow (gpm)	X		52.3 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			SLUFF ON SOUTH SIDE. SNOW COVERED.

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/25/2025		10/15/2024	
	Pond #015		NE¼ SE¼, Sec. 23, T5N, R88W	
	CO-0000221 D.P. 015		8 mi. S 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 FT	
Existing Embankment Freeboard (4.0 ft)	X		4 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			SNOW COVERED.

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/25/2025		10/15/2024	
	Pond #016		NE¼ SE¼, Sec. 27, T5N, R88W	
	CO-0000221 D.P. 016		8 mi. S 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 (6.8 ft)	X		6.7 FT	
Outflow (gpm)	X		37.8 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			
			SNOW COVERED.	

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/25/2025		10/15/2024	
	Pond #017		SW¼ NE¼, Sec. 34, T5N, R88W	
	CO-0000221 D.P. 017		8 mi. S 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 (3.1 ft)	X		3.0 FT	
Outflow (gpm)	X		3.9 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		
MAINTENANCE				
Maintenance Required		X		
Maintenance Performed		X		
Additional Comments	X			SNOW COVERED.

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/26/2025		10/16/2024	
	Stock Tank T-2		NW¼SW¼, Sec 22, T5N, R88W	
	N/A		8 mi S 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		
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		
MAINTENACE				
Maintenance Required		X		
Maintenance Performed		X		
Additional Comments	X	X	NO ACCESS. WINTER CONDITIONS.	

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/26/2025		10/16/2024	
	Stock Tank T-3		NW¼SE¼, Sec 22, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		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		NA		
Clogged or Damaged Culvert		NA		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		NA		
Other		X		
MAINTENACE				
Maintenance Required		X		
Maintenance Performed		X		
Additional Comments	X			NO ACCESS. WINTER CONDITIONS.

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	3-25-25	0.1	68.3	snow covered some animal burrows	N
003	Sage Creek	Sage Creek	3-25-25	0.1	68.3	some animal burrows	N
Lower Sump	Sage Creek	Sage Creek	3-26-25	0.2	82.6	snow covered	N
Pecoco	Sage Creek	Sage Creek	3-26-25	0.1	82.1	snow covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-26-25	-	-	snow covered	N
Portal Sump 2	Sage Creek	Sage Creek	3-26-25	-	-	snow covered	N
Spill Control 2	Sage Creek	Sage Creek	3-26-25	-	-	snow covered	N
Truck Wash	Sage Creek	Sage Creek	3-26-25	-	-	snow covered	N
Upper Sump	Sage Creek	Sage Creek	3-26-25	0.1	20.6	snow covered	N
006	Seneca	Seneca II West	3-25-25	0.1	32.3	sluffs on S. side, no impact	N
015	Seneca	Seneca II West	3-25-25	-	-	snow covered, no flow	N
016	Seneca	Seneca II West	3-25-25	0.1	37.8	snow covered	N
017	Seneca	Seneca II West	3-25-25	0.1	3.9	snow covered	N
T-2	Seneca	Seneca II West	3-26-25	-	-	winter	-
T-3	Seneca	Seneca II West	3-26-25	-	-	winter	-
010	Seneca	Yoast	3-25-25	0.1	9.3	snow covered	N
011	Seneca	Yoast	3-25-25	-	-	no flow, snow covered	N
011A	Seneca	Yoast	3-25-25	-	-	no access	-
012	Seneca	Yoast	3-25-25	0.1	42.1	snow covered	N
012A	Seneca	Yoast	3-25-25	-1.3	-	snow covered	N
013	Seneca	Yoast	3-25-25	-0.5	-	snow covered	N
014	Seneca	Yoast	3-25-25	-1.6	-	snow covered	N

FIELD PERSONNEL: JH

FIELD PERSONNEL SIGNATURE: 

NOTES
