



**Seneca II West Mine**  
29515 Routt County Road 27  
Oak Creek, CO 80467

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July 19, 2022

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

**RE: Seneca II W Mine, Permit C-82-057, Second Quarter 2022 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.

Sincerely,

Miranda Kawcak  
Environmental Manager  
Peabody, Colorado Operations

Enclosure: SIIW IIR

<b>Mining Area</b>	Seneca II West Mine	<b>Facility Configuration</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
<b>Date Inspected</b>	6/20/2022	<b>Date Last Inspected</b>	3/23/2022	
<b>Impoundment</b>	Pond #006	<b>Pond Location</b>	NW¼ NW¼, Sec. 22, T5N, R88W	
<b>NPDES ID No</b>	CO-0000221 D.P. 006	<b>Site Location</b>	8 mi. S of Hayden, CO	
<b>Owner's Rep</b>	Miranda Kawcak	<b>Inspector</b>	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		0.1 FT	
Existing Embankment Freeboard (7.5 ft)	X		7.4 FT	
Outflow (gpm)	X		63 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	SLUFF ON SOUTH SIDE, NO IMPACT	
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>	Seneca II West Mine	<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>
	6/20/2022		3/22/2022	
	Pond #015		NE¼ SE¼, Sec. 23, T5N, R88W	
	CO-0000221 D.P. 015		8 mi. S 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 (4.0 ft)		X		3.9 FT
Outflow (gpm)		X		2.1 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>	Seneca II West Mine	<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>
	6/20/2022		3/23/2022	
	Pond #016		NE¼ SE¼, Sec. 27, T5N, R88W	
	CO-0000221 D.P. 016		8 mi. S 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		0.1 FT
Existing Embankment Freeboard (6.8 ft)		X		6.7 FT
Outflow (gpm)		X		97 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>	Seneca II West Mine	<b>Facility Configuration</b>	Cross-Vally Pond	<b>Quarterly Impoundment Inspection Form</b>
<b>Date Inspected</b>	6/20/2022	<b>Date Last Inspected</b>	3/23/2022	
<b>Impoundment</b>	Pond #017	<b>Pond Location</b>	SW¼ NE¼, Sec. 34, T5N, R88W	
<b>NPDES ID No</b>	CO-0000221 D.P. 017	<b>Site Location</b>	8 mi. S of Hayden, CO	
<b>Owner's Rep</b>	Miranda Kawcak	<b>Inspector</b>	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		<b>0.1 FT</b>	
Existing Embankment Freeboard (3.1 ft)	X		<b>3 FT</b>	
Outflow (gpm)	X		<b>28 GPM</b>	
<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>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>	Seneca II West Mine	<b>Facility Configuration</b> <b>Date Last Inspected</b> <b>Pond Location</b> <b>Site Location</b> <b>Inspector</b>	Stockpond	<b>Quarterly Impoundment Inspection Form</b>
	6/23/2022		3/22/2022	
	Stock Tank T-2		NW¼SW¼, Sec 22, T5N, R88W	
	N/A		8 mi S 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	DRY
<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			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
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	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/22/2022		10/27/2021	
	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	3 FT	
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		

# 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	6-21-22	0.1	151.8	some water going under flow	Y
003	Sage Creek	Sage Creek	6-21-22	0.1	2.8	some animal buttons under	N
004	Sage Creek	Sage Creek	6-21-22	0.15	53.4		N
Lower Sump	Sage Creek	Sage Creek	6-23-22	0.1	96.7		N
PECOCO	Sage Creek	Sage Creek	6-23-22	0.1	137		N
Portal Sump 1	Sage Creek	Sage Creek	6-23-22	-	-	NO Flow	N
Portal Sump 2	Sage Creek	Sage Creek	6-23-22	0.1	-	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	6-23-22	-	-	Dry	N
Truck Wash	Sage Creek	Sage Creek	6-23-22	-	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	6-23-22	0.1	101		N
001	Seneca	Hayden Gulch	6-23-22	-2.1	-	NO Flow	N
002	Seneca	Hayden Gulch	6-23-22	-2.9	-	NO Flow	N
005	Seneca	Seneca II West	6-20-22	-1.0	-	NO Flow	N
006	Seneca	Seneca II West	6-20-22	0.1	63	stuff on S, side, no impact	N
009	Seneca	Seneca II West	6-20-22	-2.7	-	NO Flow	N
015	Seneca	Seneca II West	6-20-22	0.1	2.1		N
016	Seneca	Seneca II West	6-20-22	0.1	97		N
017	Seneca	Seneca II West	6-20-22	0.1	28		N
T-1	Seneca	Seneca II West	6-23-22	-	-	Dry	N
T-18	Seneca	Seneca II West	6-23-22	-2.4	-	NO Flow	N
T-2	Seneca	Seneca II West	6-23-22	-	-	Dry	N
T-20	Seneca	Seneca II West	6-23-22	-3.2	-	NO Flow	N
T-22	Seneca	Seneca II West	6-23-22	-1.6	-	NO Flow	N
T-24	Seneca	Seneca II West	6-23-22	-	-	Dry	N
T-25	Seneca	Seneca II West	6-23-22	-	-	Dry	N
T-26	Seneca	Seneca II West	6-23-22	-2.8	-	NO Flow	N



