



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

April 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, First 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

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/23/2022	Date Last Inspected	10/27/2021	
Impoundment	Pond #006	Pond Location	NW¼ NW¼, Sec. 22, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 006	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	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	
Existing Embankment Freeboard (7.5 ft)	7.4			
Outflow (gpm)	X		26.3	
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	SNOW COVERED	
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	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/22/2022		10/27/2021	
	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	-1
Existing Embankment Freeboard (4.0 ft)		5.0		
Outflow (gpm)			X	0.0
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	SNOW COVERED
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	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/23/2022		10/27/2021	
	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
Existing Embankment Freeboard (6.8 ft)		6.9		
Outflow (gpm)		X		27.7
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	SNOW COVERED
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/23/2022	Date Last Inspected	10/27/2021	
Impoundment	Pond #017	Pond Location	SW¼ NE¼, Sec. 34, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 017	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	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	-0.6	
Existing Embankment Freeboard (3.1 ft)	2.9			
Outflow (gpm)		X	0.0	
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	SNOW COVERED	
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-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	DRY
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	SNOW COVERED
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/22/2022	Date Last Inspected	10/27/2021	
Impoundment	Stock Tank T-3	Pond Location	NW¼SE¼, Sec 22, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		X	DRY	
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	SNOW COVERED	
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)
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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	3-22-22	0.4	32.7	water flowing under Flume	Y
003	Sage Creek	Sage Creek	3-22-22	0.1	1.0	snow covered	N
004	Sage Creek	Sage Creek	3-22-22	0.1	36.4	snow covered	N
Lower Sump	Sage Creek	Sage Creek	3-22-22	0.2	134	snow covered	N
PECOCO	Sage Creek	Sage Creek	3-22-22	0.2	107	snow covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-22-22	-	-	snow covered, frozen	N
Portal Sump 2	Sage Creek	Sage Creek	3-22-22	-	-	snow covered	N
Spill Control 2	Sage Creek	Sage Creek	3-22-22	-	-	snow covered	N
Truck Wash	Sage Creek	Sage Creek	3-22-22	-	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	3-22-22	0.2	71	snow covered	N
001	Seneca	Hayden Gulch	3-22-22	-	-	snow covered	N
002	Seneca	Hayden Gulch	3-22-22	-	-	snow covered	N
005	Seneca	Seneca II West	3-23-22	-2.1	-	snow covered	N
006	Seneca	Seneca II West	3-23-22	0.1	26.3	snow covered	N
009	Seneca	Seneca II West	3-22-22	-4.0	-	snow covered	N
015	Seneca	Seneca II West	3-22-22	-1.0	-	snow covered	N
016	Seneca	Seneca II West	3-23-22	0.1	27.7	snow covered	N
017	Seneca	Seneca II West	3-23-22	-0.6	-	snow covered	N
T-1	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-18	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-2	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-20	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-22	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-24	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-25	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-26	Seneca	Seneca II West	3-22-22	-	-	winter	-

SITE ID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-3	Seneca	Seneca II West	3-22-22	-	-	winter	-
T-5	Seneca	Seneca II West	3-22-22	-	-	winter	-
010	Seneca	Yoast	3-23-22	-0.6	-	snow covered	N
011	Seneca	Yoast	3-23-22	-2.6	-	snow covered	N
011A	Seneca	Yoast	3-23-22	-	-	winter	-
012	Seneca	Yoast	3-22-22	0.1	44.7	snow covered	N
012A	Seneca	Yoast	3-22-22	-1.7	-	snow covered	N
013	Seneca	Yoast	3-22-22	-1.3	-	snow covered	N
014	Seneca	Yoast	3-22-22	-2.0	-	snow covered	N
ST-1	Seneca	Yoast	3-23-22	-	-	winter	-

NOTES