



Hayden Gulch Terminal, LLC

Peabody Energy
PO Box 670
36600 Routt County Road 27
Hayden, CO. 81639

April 21, 2017

Janet Binns
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street
Denver, CO 80203

RE: Hayden Gulch Terminal, Permit C-92-081, 1Q17 IIR

Dear Janet:

In accordance with Rule 4.05.9(17), please find enclosed the Hayden Gulch Terminal (HGT) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL) for Ponds: Truck Loop Pond (001A) and Rail Loop Pond (002A).

No maintenance is required at this time. Please contact me with any comments and/or questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "B. Watterson", with a large, sweeping loop at the end.

Brian Watterson
Geologist

TNS/*tns*
Enclosure: HGT IIR

Mining Area	Hayden Gulch Loadout	Facility Configuration	Embankment Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/15/2017	Date Last Inspected	10/3/2016	
Impoundment	Truck Loop Pond (001A)	Pond Location	SE/4 SE/4 Sec.14 T6N R88W	
NPDES ID No	COG-850008-001A	Site Location	1.5 mi. SE of Hayden, CO	
Owner's Rep	Brian Watterson	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	Water level 1.4 ft. below outfall
Outflow (gpm)		X	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		X	
Emergency Spillway			
Erosion		X	
Riprap		X	
Clogged or Damaged Culvert		X	
Other		X	
MAINTENANCE			
Maintenance Required		x	
Maintenance Performed		X	
Additional Comments		X	

Top of Riser Pipe = 6400 ft. (MSL) Bottom of Headgate = 6397 ft. Top of Sediment Storage 6395.3 ft.

Mining Area	Hayden Gulch Loadout	Facility Configuration	Embankment Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/15/2017	Date Last Inspected	10/3/2016	
Impoundment	Rail Loop Pond (002A)	Pond Location	SE1/4SE1/4Sec.14T6NR88W	
NPDES ID No	COG-850008-002A	Site Location	2 mi. SE of Hayden, CO	
Owner's Rep	Brian Watterson	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	Water level 2.5ft. Below outfall	
Outflow (gpm)		X	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		NA		
Clogged or Damaged Culvert		NA		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		NA		
Other		X		
MAINTENANCE				
Maintenance Required		X	None	
Maintenance Performed		X		
Additional Comments		X		

Invert of Spillway = 6383.6 ft. (MSL)

Top of Sediment Storage = 6379.5

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Support Services	CLIENT: Peabody	LOCATION: Routt County, CO
JOB(s): 2016-037 T1-SCC, T2-PSCM		

FLOW DATA

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	3-14-17	08:35	0.19	139.6		N
003	Sage Creek	Sage Creek	3-14-17	08:30	0.10	12.7	some burrows	N
004	Sage Creek	Sage Creek	3-14-17	09:00	0.02	31.3	outlet pipe partially clogged	Y
Lower Sump	Sage Creek	Sage Creek	3-15-17	09:30	0.3	317		N
PECOCO	Sage Creek	Sage Creek	3-15-17	09:00	0.2	152		N
Portal Sump 1	Sage Creek	Sage Creek	3-15-17	10:16	0.12	—	not draining	Y
Portal Sump 2	Sage Creek	Sage Creek	3-15-17	09:50	—	—	not pumping, full	Y
Spill Control 2	Sage Creek	Sage Creek	3-15-17	08:20	-2.3	—	Frozen	N
Truck Wash	Sage Creek	Sage Creek	3-15-17	09:40	—	—	Dry	N
Upper Sump	Sage Creek	Sage Creek	3-15-17	10:30	0.3	136		N
001	Seneca	Hayden Gulch	3-15-17	07:30	-1.4	—		N
002	Seneca	Hayden Gulch	3-15-17	07:50	-2.5	—		N
005	Seneca	Seneca II West	3-14-17	11:50	0.02	16.4		N
006	Seneca	Seneca II West	3-14-17	10:00	0.04	39.9	Big sluff on S. side not affecting	N
009	Seneca	Seneca II West	3-14-17	12:35	-3.0	—	NO Flow	N
015	Seneca	Seneca II West	3-14-17	14:25	0.03	6.26	stuck pipe is rusted through	Y
016	Seneca	Seneca II West	3-14-17	10:10	0.05	25.7		N
017	Seneca	Seneca II West	3-14-17	10:30	0.07	12.7	slight sluff on N. side armor is working	N
T-1	Seneca	Seneca II West	—	—	—	—		
T-18	Seneca	Seneca II West	—	—	—	—		
T-2	Seneca	Seneca II West	—	—	—	—		
T-20	Seneca	Seneca II West	—	—	—	—		
T-22	Seneca	Seneca II West	—	—	—	—		
T-24	Seneca	Seneca II West	—	—	—	—		
T-25	Seneca	Seneca II West	—	—	—	—		
T-26	Seneca	Seneca II West	—	—	—	—		

008

3-14-17 09:45 0.4 37.7

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