



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

December 14, 2017

Jason Musick
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street
Denver, CO 80203

RE: Hayden Gulch Terminal, Permit C-92-081, 4Q17 IIR

Dear Jason:

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 that reads "Miranda Blomquist".

Miranda Blomquist

TNS/*tns*
Enclosure: HGT IIR

Mining Area	Hayden Gulch Loadout	Facility Configuration	Embankment Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/18/2017	Date Last Inspected	7/20/2017	
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	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	Water level 3.3 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	10/18/2017	Date Last Inspected	7/20/2017	
Impoundment	Rail Loop Pond (002A)	Pond Location	SE1/4SE1/4Sec.14T6NR88W	
NPDES ID No	COG-850008-002A	Site Location	2 ml. SE of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Dry
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	10-17-17	15:10	0.09	127.9		N
003	Sage Creek	Sage Creek	10-17-17	14:45	0.08	7.2	animal burrows on dam	N
004	Sage Creek	Sage Creek	10-17-17	15:35	0.36	30.1		N
Lower Sump	Sage Creek	Sage Creek	10-18-17	09:35	0.05	18		N
PECOCO	Sage Creek	Sage Creek	10-18-17	10:15	0.07	51		N
Portal Sump 1	Sage Creek	Sage Creek	10-18-17	09:45	0.03	1		N
Portal Sump 2	Sage Creek	Sage Creek	10-18-17	09:55	—	—	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	10-18-17	09:25	—	—	Dry	N
Truck Wash	Sage Creek	Sage Creek	10-18-17	09:15	—	—	Dry	N
Upper Sump	Sage Creek	Sage Creek	10-18-17	10:35	0.05	44		N
001	Seneca	Hayden Gulch	10-18-17	08:00	-3.3	—	NO Flow	N
002	Seneca	Hayden Gulch	10-18-17	08:10	—	—	Dry	N
005	Seneca	Seneca II West	10-17-17	11:05	-1.9	—	NO Flow spring @ dam	N
006	Seneca	Seneca II West	10-17-17	08:55	0.15	32.7	big stuff on S. side, no imp. at	N
009	Seneca	Seneca II West	10-17-17	11:35	-3.4	—	NO Flow spring @ dam	N
015	Seneca	Seneca II West	10-17-17	12:00	-1.6	—	NO Flow, Fixed stand pipe	N
016	Seneca	Seneca II West	10-17-17	09:15	0.10	21.6	small leak under flume	Y
017	Seneca	Seneca II West	10-17-17	09:40	0.06	8.0	water leaking under flume	Y
T-1	Seneca	Seneca II West	10-17-17	09:05	—	—	Dry	N
T-18	Seneca	Seneca II West	10-17-17	10:50	-1.6	—	NO Flow	N
T-2	Seneca	Seneca II West	10-17-17	10:45	-2.3	—	NO Flow	N
T-20	Seneca	Seneca II West	10-17-17	10:55	-2.6	—	NO Flow	N
T-22	Seneca	Seneca II West	10-17-17	11:00	-0.9	—	NO Flow	N
T-24	Seneca	Seneca II West	10-17-17	11:15	—	—	Dry	N
T-25	Seneca	Seneca II West	10-17-17	09:50	—	—	Spne	N
T-26	Seneca	Seneca II West	10-17-17	10:20	-2.0	—	NO Flow	N

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10-17-17 16:20 0.7 15.5 outlet pipe slight (crack) N



WWCENGINEERING

IMPOUNDMENT INSPECTION LOG

