

BOWIE RESOURCES, LLC
BOWIE NO. 1 MINE

2019 IMPOUNDMENT YEARLY INSPECTION

In accordance with Rule 4.05.9(14), all impoundments shall be inspected at least yearly to determine if the impoundment has been maintained as designed, and in accordance with the approved plan and the applicable regulations. This yearly inspection is for the impoundments located at the Bowie No. 1 Mine.

On March 28, 2019, I performed the required yearly inspection. I, J. E. Stover, have a wide variety of experience in the design and construction of earth fill embankments. Nothing was observed during the inspection that would indicate the ponds have a potential for failure. There was no appearance of erosion, instability, structural weakness or other hazardous conditions. There are no required monitoring procedures or instrumentation other than quarterly and yearly inspections. There are no aspects which might affect stability and there is no required maintenance. None of the ponds were discharging during the inspection.

The condition of the impoundments during the inspection are listed below:

Pond	Condition	Water Elev.
West Mine W-1	Dry	N/A
West Mine W-2	Dry	N/A
Coal Stockpile SH-133	Pool of Water	5732
Loadout	Dry	N/A


The impoundments have the following estimated capacities:

IMPOUNDMENT CAPACITIES - ACRE FEET			
	Water	Sediment	Total
West Mine W-1	0.54	0.25	0.79
West Mine W-2	0.67	0.38	1.05
Coal Stockpile SH-133	0.19	0.16	0.35
Loadout	N/A	N/A	1.8

Notes:

1. Capacities are obtained from the permit document except for the ponds located at the west mine.
2. The capacity of the west mine impoundments, Ponds W-1 and W-2 were certified by the undersigned on August 29, 2002.
3. The sediment capacity of the ponds may be less than shown in the table because of interim sediment accumulation.
4. N/A means not available or not applicable.

To the best of my knowledge and belief, the impoundments have been maintained as designed and in accordance with the approved plan and applicable regulations.



James E. Stover
Colorado Professional Engineer
Registration No. 19230

_____ Date

Bowie Resources LLC
 Bowie #1 Mine
 Sedimentation Pond

Loadout Pond

Quarter:	1
Inspection Date:	14-Mar-19
Inspected By:	brb

Primary Elevation:	5724.00
Cleanout Elevation:	5721.00

Approximate Water Elevation at Time of Inspection:	DRY
Approximate Sediment Elevation at Time of Inspection:	5720.00'
Outflow (C.F.S.)	0.00

Features:

Comments

Fills & Gullies on Embankment	No	
Inadequate Vegetation	No	
Outlet Channel Erosion	No	
Burrows	No	
Other		

Structural:

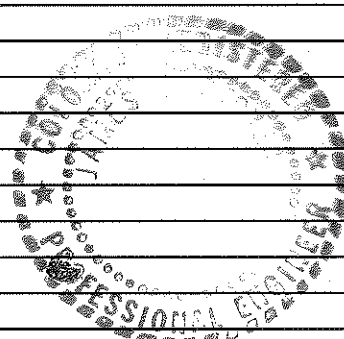
Differential Settling	No	
Cracks or Slides	No	
Seepage	No	
Other		

Appurtenant Structures

Defective Spillway	No	
Dewatering Device Clogged	No	
Faulty Gates, Baffles, Pumps	No	
Other	Gate Closed	

Additional Comments

0	



Bowie Resources LLC
 Bowie #1 Mine
 Sedimentation Pond

WM WS-2 Pond

Quarter:	1
Inspection Date:	14-Mar-19
Inspected By:	brb

Primary Elevation:	7095.80
Cleanout Elevation:	7095.80

Approximate Water Elevation at Time of Inspection:	DRY
Approximate Sediment Elevation at Time of Inspection:	7091.00'
Outflow (C.F.S.)	0.00

Features:	Comments	
Fills & Gullies on Embankment	No	
Inadequate Vegetation	No	
Outlet Channel Erosion	No	
Burrows	No	
Other	No	

Structural:		
Differential Settling	No	
Cracks or Slides	No	
Seepage	NO	
Other		

Appurtenant Structures		
Defective Spillway	No	
Dewatering Device Clogged	No	
Faulty Gates, Baffles, Pumps	No	
Other	Gate Open	

Additional Comments

