BOWIE RESOURCES, LLC
BOWIE NO. 2 MINE

2021 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. 2 Mine.

On March 25, 2021, I performed the required yearly inspection. I, Tamme Bishop, have a wide variety 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 monthly and yearly inspections. There are no aspects which might affect stability. None of the ponds were discharging during the inspection. The winter and early spring have been fairly dry, so all pond were damp or contained just a puddle of water.

Pond B was dry. There has been very little water in Pond B during the 2020 calendar year. Therefore, the Pond B sediment capacity remains at 10% as documented in the 2019 pond certification.

Pond C was damp. There has been very little water in Pond C during the 2020 calendar year. Therefore, the Pond B sediment capacity remains at 10% as documented in the 2019 pond certification.

Pond D was damp. There has been very little water in Pond D during the 2020 calendar year. Therefore, the Pond B sediment capacity remains at 15% as documented in the 2019 pond certification.

Pond F had a puddle of water. Pond F was cleaned out during the 4Q of 2020, therefore 100% of the sediment volume remains.

Pond J held approximately 1-2 feet of water and an elevation between 5847-5848. Since there was very little run off during 2020, Pond J has at least 90% sediment storage capacity remaining.

Pond K was damp but no standing water, with an estimated sediment build up of 20%. There has been no standing water in Pond K during the 2020 calendar year.

There are no mud pits open.

The impoundments have the following estimated capacities:

IMPOUNDMENT CAPACITIES - ACRE FEET			
	Water *	Sediment *	Total
Pond B	4.10	0.55 (90% 0.62)	4.65
Pond C	3.47	0.41 (90% 0.46)	3.90
Pond D	0.48	0.08 (85% 0.10)	0.56
Pond F	3.82	0.18 (100% 0.18)	4.00
Pond J (expanded)	3.38	0.52 (90% 0.58)	3.90
Pond K	0.49	0.18 (80% 0.22)	0.67

Notes:

1. The capacity of Ponds B and C are shown on Maps 22-B and 22-C respectively.
2. The capacity of Pond D was certified by Jim Stover on 12-30-97.
3. The capacity of Pond K was certified by Jim Stover on May 29, 2002.
4. The capacity of Pond J was certified by Tammerin K. Stover-Bishop on July 20, 2017.
5. The capacity of Pond F was certified by Tammerin K. Stover-Bishop on September 17, 2012.

**The percentage amount shown in parenthesis above indicates the percent of sediment storage currently available. The number on the outside of the parenthesis indicates the volume of sediment storage currently available. The number in the total column indicates the total water and sediment storage volume currently available. The water capacity shown above is calculated based on the water currently in the pond (i.e. if the pond is empty, the water capacity is 100% of the designed water capacity as shown on the aforementioned maps).*

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. As noted above, spring maintenance is required in the form of dewatering and sediment removal.

COLORADO LICENSED
TAMMERIN KAE STOVER-BISHOP
43402
PROFESSIONAL ENGINEER

Tammie Bishop
Colorado Professional Engineer
Registration No. 43402

4-1-21
Date