BOWIE RESOURCES, LLC
BOWIE NO. 2 MINE

2022 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 September 25, 2023, 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 summer and early fall have been fairly dry, so all pond were damp or contained just a puddle of water.

Pond B was dry. Pond B intermittently held a puddle of water during 2022, with no large run off events to generate a large sediment load. Therefore, the Pond B sediment capacity remains at 10% as documented in the 2022 pond certification.

Pond C was dry. Pond C intermittently held a puddle of water in 2022, but never a big run off into the pond which would have created a large sediment load. Therefore, the Pond C sediment capacity remains at 10% as documented in the 2021 pond certification.

Pond D was dry. Pond D consistently held a puddle of water in 2022, but never a big run off into the pond which would have created a large sediment load. Therefore, the Pond D sediment capacity will remain at 20% as documented in the 2021 pond certification.

Pond F had a puddle of water. At the time of inspection, Pond F had recently been cleaned out, and therefore has 100% of the sediment volume remaining.

Pond J was dry. Pond J has at least 80% sediment storage capacity remaining. The bottom of Pond J is covered with cattails.

Pond K was dry, with an estimated sediment buildup of 20%. There has been no standing water in Pond K during the 2022 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 (80% 0.10)	0.56
Pond F	3.82	0.18 (100% 0.18)	4.00
Pond J (expanded)	3.38	0.46 (80% 0.58)	3.84
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

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10-20-23
Date