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BEFORE THE ENVIRONMENTAL QUALITY COUNCIL  
STATE OF WYOMING

In re Brook Mining Co., LLC coal mine )  
Permit – PT0841 ) EQC Docket No. 20-4802  
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**AFFIDAVIT OF JEFF BARRON, P.E.**

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I, Jeff Barron, P.E., being of lawful age and first duly sworn upon oath, depose and state as follows:

1. I am the responsible engineer on the Brook Mining Inc., LLC (“Brook”) permit to mine application.
2. I am over eighteen years of age and am competent to provide this affidavit. The information contained in this affidavit is based on my personal knowledge.


3. I have over 15 years of experience as an engineer and licensed professional engineer in Wyoming since 2011.
4. I am employed as the Civil Department Manager of WWC Engineering in Sheridan, Wyoming.
5. I am a certified Professional Civil Engineer in the state of Wyoming and Montana.
6. I have been working on the application and mine plan for Brook since 2013.
7. Myself and my staff are responsible for all documentation and materials that have been submitted, on behalf of Brook, as part of the mine plan and application.
8. The subsidence control plan indicates that Brook will mine both the upper and lower Carney seams, west of the Carney coal split. The plan mentions the alignment of highwall miner holes to create "pillar stacking" as a subsidence prevention measure. However, Brook's mine plan does not currently call for mining both Carney seams. Figure MP-6-11 shows that west of split, Brook is only targeting one seam of the Carney coal in each highwall mining panel. Additionally, Brook is not planning to target the Masters seam with highwall mining anywhere within the permit area.
9. All roads and facilities to be used by Brook are set forth in the mine plan.
10. All roads were mapped and designed by my firm and such designs and maps were prepared in accord with the professional standards and laws and regulations governing the same.
11. iCam is envisioned as a research center to develop alternative uses for coal. iCam will be located adjacent to the iPark. iCam is wholly owned by Ramaco Carbon.
12. iPark is envisioned as a business park for the development and production of products derived from coal and coal-based products. iPark is wholly owned by Ramaco Carbon.

13. iCam and various entities housed adjacent to iPark are expected, as a part of their research and production activities, to perform some forms of chemical or physical processing of coal that conform to the current (currently I-2) zoning requirements of Sheridan County, WY.
14. Neither iPark or iCam are located within the permit boundary of the Brook Mine.
15. Neither iPark or iCam will have any direct involvement in the mining of coal or sale of coal under Permit # PT0841 issued for the Brook Mine.
16. Both iCam and iPark will be end-users of coal from Brook or other coal mines. No raw or processed coal will leave the iCam or iPark for other destinations and uses. Instead, the only materials leaving the iCam and iPark will be in the form of products made from coal-derived carbon, such as carbon fiber, carbon nanotubes, graphene, graphite, or resins for additive manufacturing.
17. As described within the mine plan and the many rounds of technical revisions (which are part of the application and mine plan), iPark and iCam are separate legal entities.
18. While the parent company of both these facilities and of Brook, Ramaco Carbon, may intend to use some of the coal mined at Brook in these facilities, the research park and the processing facility are separate legal entities.
19. iCam and iPark may purchase coal from third parties, as they do not mine coal, to supply their respective facilities.
20. Brook is one of the independent third parties that intends to sell coal to iCam, iPark and other customers.
21. If iCam and iPark receive or process coal from Brook, it is not part of the application or mine plan that was permitted in the operation of Brook.

- 22. Brook will not be transporting coal to iCam or iPark.
- 23. The Brook operation does not intend to transport any coal out of the permitted area.
- 24. Any coal that leaves the permitted area will be sold, to a third party, at the pad identified in the mine plan.
- 25. That coal will be transferred, at the pad, by a retail sale, sold freight on board ("FOB") at the mine and will be transported off the mine site by the independent third-party purchaser.
- 26. Any mine haulage that takes place within the mine will terminate at the pad.

FURTHER YOUR AFFIANT SAYETH NAUGHT.

DATED this 6<sup>th</sup> day of October 2020

  
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 JEFF BARRON

STATE OF WYOMING            )  
   ) ss  
 COUNTY OF SHERIDAN        )

Subscribed and sworn to before me by Jeff Barron this 6<sup>th</sup> day of October 2020.

Witness my hand and official seal.

S E A L

  
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 Notary Public

My commission expires: 1/22/2023

