



INTEROFFICE MEMORANDUM

TO: Brock Bowles

FROM: Clayton Wein

DATE: 12/6/2022

SUBJECT: New Elk Mine PR-6 Review of Subsidence Monitoring Plan for the Blue Seam

Hi Brock,

As requested, I have reviewed the New Elk Mine's PR-6 application with regard to the sections addressing the Subsidence Monitoring Plan for the Blue Seam. After reviewing the submitted materials, I have the following adequacy questions/concerns:

Rule 2.05.6(6) –

1. The applicant did not provide the Division with any new information regarding the subsidence section of the permit (Rule 2.05.6(6)). There was no update to the subsidence information about mining in the Blue Seam. The applicant needs to provide specific information about the characteristics of the blue seam in the text. Information from the geology section can be used to add additional information in this section. Information about the proposed mining method should be included.
2. The applicant referenced Exhibit 24 in the proposed revised pages for PR-6. However, Exhibit 24 was not provided to the Division with this submittal. Please have the applicant submit the referenced Exhibit 24. This exhibit will be crucial for reviewing the potential impacts of mining related subsidence. The applicant must also provide the Division with a comprehensive discussion of how the data in the analysis (Exhibit 24) will be applied to the mining plan and subsidence control plan.
3. The proposed revised text also references Maps 11 and 12. No new version of map 11 or 12 was provided with this submittal. These maps should be updated with the information provided in Exhibit 42, Table 19.

Rule 2.05.6(6)(b) –

4. This following comment is also applicable to Rule 2.05(6)(3). The information provided in the application does not include any new information regarding the development mining underneath the Purgatoire River (2.05.6, p.111). The existing information in the



C-012 permit only covers the previously mined coal seams and does not account for the Blue Seam. The Blue Seam is roughly 250-300 above the Apache Seam. New information regarding undermining the Purgatoire River in the Blue Seam needs to be addressed and included. This should include depth of the Blue Seam from the Purgatoire River in the areas planned to be over the mining areas. As well as, if/what type of measures taken to prevent impacts to the hydrologic balance.

Please feel free to contact me if you have any questions or concerns.

Sincerely,
Clayton