



Date: April 26, 2023

To: Robin Reilley, DRMS

From: Patrick Lennberg, DRMS

RE: Williams Fork Mines; C-1981-044, Permit Renewal RN-8 – Review Memo

On March 7, 2023, I was requested to review portions of the Williams Fork Mines permit renewal application for compliance with several Rules. Below is a list of Rules that I was requested to review and a summary of my findings.

Rule 2.04.3: General Requirements: Site Description and Land Use Information

No adequacy issues noted. The information required by this rule is discussed on page 2.04-1, Map 3, and Tables 1 and 2.

Rule 2.04.4: Cultural and Historic Resource Information

No adequacy issues noted. The information required by this rule is discussed on pages 2.04-1, -1a, and -2, Maps 4 and 5, Table 2, and Exhibit 6 (2001).

Rule 2.04.5: General Description of Hydrology and Geology

No adequacy issues noted. The information required by this rule is discussed on pages 2.04-2 through 5, Maps 6, 7 and 11, Tables 3 parts 1 through 3, 3A parts 1 through 3, and Tables 5-7, and Exhibit 7 (2001).

Rule 2.04.6: Geology Description

One adequacy issue has been noted in this section. The information required by this rule is discussed on pages 2.04-6 through 10, Maps 7, 11, 12, 22, and 30, Tables 8 - 10, Figures 3 - 11 and Exhibit 8 (2001). Note Maps 7a, b, and c where not reviewed as they are considered confidential and could not be found in the permit file.

On page 2.04-7 first paragraph the interval thickness between the Middle Sandstone and the Twentymile Sandstone incorrectly references Figure 7. The figure that should be referenced is Figure 8.



Rule 2.04.7: Hydrology Description

No adequacy issues noted. The information required by this rule is discussed on pages 2.04-11 through 19, Maps 7, 10 - 15, 17 and 18, Tables 11 – 20, Figures 23 and 24 and Exhibit 10 (2001).

Rule 2.05.6(3): Mitigation of the Impacts of Mining Operations, Protection of hydrological balance

One adequacy issue has been noted in this section. The information required by this rule is discussed on pages 2.05-36 through 47.1, Maps 13, 23, and 26, Tables 12, 26, 27, 73 – 77, Figures 10-22, 42, 58A-Z, and 58AA-AP and Exhibit 18 (2018), Exhibit 29 (2005), Exhibit 30 (2001) and Exhibit 31 (2001).

In this section Exhibit 42 is referenced numerous times. Exhibit 42 in the permit system addresses Officers and Directors and not aspects of the protecting the hydrological balance. It is unclear to the reviewer what exhibit should be referenced in this section although Exhibit 32 might be a possible reference.

If you need additional information or have any questions, please let me know.

Sincerely,



Patrick Lennberg
Environmental Protection Specialist

cc: Jared Ebert, DRMS