



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

January 29, 2009

Big Horn County Board of Commissioners
P.O. Box 31
Basin, WY 82410

RE: Non-Adverse Recommendation, Paint Rock Crossing Subdivision, Big Horn County, DEQ/WQD Application #08-762

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision pursuant to W.S. 18-5-306. This letter constitutes our conclusions regarding the feasibility of the proposed water and sewage systems pursuant to the W.S. 18-5-306 (c).

The proposed subdivision has been recently revised to include only the 7 lots within Blue Hills Addition. The project is located in portions of SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 6, T.49 N., R.89 W. 6th P.M., Big Horn County. The proposed subdivision will develop 7 lots from the Blue Hills Addition. This is a revision from the originally proposed subdivision which included 4 lots from the Church Field Addition which have been removed from the proposal.

Findings as To the Safety and Adequacy of the Proposed Sewage System

Individual onsite septic systems are proposed for all 7 lots. Data from the test pit sites indicate that the vadose (unsaturated) zone is at least 9 feet thick and that the formation is alluvial deposits rather than bedrock. The consultant has demonstrated through field investigations and modeling that neither nitrate loading nor minimum isolation distances should be an issue for conventional septic systems and leachfields for the proposed 7 lots in the Blue Hills Addition.

The minimum separation distance within the addition was modeled to be 173 feet. DEQ concurs with the consultant that for Lots #1, #2, and #3, the leachfields should be placed in the southern portion of the lots to maintain a minimum separation distance (173 feet recommended) between the leachfields and any surface water.

Since Big Horn County has been delegated by the department to issue small wastewater system permits, it is the county's responsibility to ensure, prior to issuing the permits that all permit requirements and design standards will be met. If an enhanced small wastewater treatment facility is used, WDEQ must be involved in the small wastewater permit approval process by

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reviewing the design and providing comments to the Big Horn County small wastewater system administrator.

Findings as To the Safety and Adequacy of the Proposed Water System

Paint Rock Crossing Subdivision proposes to connect to an existing public water supply, the Hyattville Service and Improvement District. The improvement district is an EPA regulated public water supply. Regular water quality analyses are available to the public. According to the consultant no violations have been reported to the EPA for a substantial period of time. As required by Chapter 23 §8(b)(ii)(A & B) a letter from the owner of the distribution and treatment system certifying that the system can and will provide adequate service was included. We have no concerns to this aspect of the proposal.

Conclusion(s):

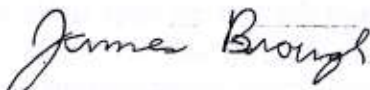
WDEQ has "no adverse" recommendations for the proposed subdivision.

Disclaimer

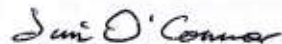
Nothing in WDEQ's recommendations or comments regarding the subdivider's proposal shall be construed to relieve the subdivider of their obligation to obtain any permits or additional approval from any local state or federal agencies/entities as required by law, rules and regulations, or ordinance. Nothing in these recommendations commits the WDEQ or the delegated county to the issuance of required permits for construction, operation, or modification of water supply and/or wastewater systems. It is the duty of the subdivider/developer to comply with all applicable federal, state and local requirements.

Please feel free to contact either Jim O'Connor at 307-335-6942 or James Brough at 307-335-6961 if you have any questions.

Sincerely,



James Brough, P.E.
Northwest District Engineer
Water Quality Division



Jim O'Connor, P.G.
Geological Project Analyst
Water Quality Division

cc: ~~Gregg Meinecke, P.E., Meinecke Engineering, 1527 Rumsey Ave., Cody, WY 82414~~
Jim Waller, Big Horn County, P.O. Box 29, Basin, WY 82410
Mike Ebsen, State Engineer's Office, Herschler Building, 4-E, Cheyenne, WY 82002
DEQ Subdivision File; w/ enclosure
IPS