



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1250 W Alder St • Union Gap, WA 98903-0009 • (509) 575-2490

April 21, 2016

Byron Gumz
Planning Division
Yakima County Public Services
128 North 2nd Street
Yakima, WA 98901

Re: CUP2016-00019, SEP2016-00007

Dear Mr. Gumz:

Thank you for the opportunity to comment on the notice of application for the Fryslan Calf Yard to be a feedlot, or concentrated animal feeding operation on approximately 277 acres within the Agriculture zoning district. This project is proposed by Tim Bardell of B7 Engineering, on behalf of Fryslan Ranch. We have reviewed the application and have the following comment.

WATER RESOURCES

The estimated water use given the Fryslan Ranch Feed lot application of 25,000 gallons per day (gpd).

25,000 gpd equated to approximately:
18 gallons per minute continuously
0.75 acre feet (af) per day
28 acre feet per year (afy)

- Use may be higher than the estimated given above: if dust control exceeding 5,000 gallons per day is required, and temporary permit for beneficial use will be required.
- Two Deep wells are proposed to provide project water:
 - The closest Ecology (“deep”) monitoring well (SID 204119) completed in the Wanapum Formation aquifer shows 104 feet of decline over a 29 year period of record, a persistent average of approximately 3.6 ft/yr. If the proposed wells are constructed into the Wanapum aquifer, it will further contribute to the persistent state of decline in that aquifer.



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- The projects capture of groundwater (shallow or deep) that would, in time, otherwise discharge to the Yakima River system affects and will impair water availability for existing Federal Yakima River Basin Water Enhancement Project (YRBWEP) rights, Time Immemorial Federal rights and State instream rights held in perpetuity, specifically:
- 1994 Congressionally set flows imposed on the YRBWEP under Title 12.
- Time Immemorial Rights recognized by the fourth and administered by the United States Bureau of Reclamation (USBR) as recommended by the System Operation Advisory Committee (SOAC) on the Yakima River System.
- Water rights acquired by the State of Washington and held in trust for instream flow purposes on the Yakima River System.

Note: If the project is to go forward, main stem Yakima River mitigation for the above impacts would be required.

If you have any questions or would like to respond to these Water Resources comments, please contact **Jacquelyn Metcalfe** at (509) 457-7148 or email at jacquelyn.metcalfe@ecy.wa.gov .

Sincerely,



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