

November 1, 2019

NRCB LA19036

Landowner: Arie & Willemina Mulwijk

Attention: Andria Snowdon - NRCB
Agriculture Centre #100, 5401-1 Ave S
Lethbridge, AB.
T1J 4V6

Re: Development Application to add 3,000 cows to a Confined Feeding Operation at NE 10-9-27
W4M

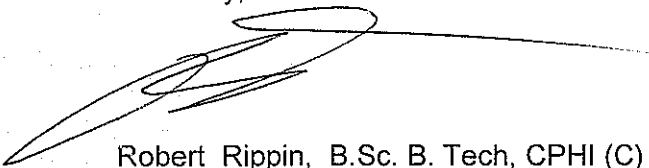
Dear Ms. Snowdon

In response to your October 9th 2019 request for comments on the above noted development, Alberta Health Services (AHS), Environmental Public Health conducted a site visit to the proposed development and submits the following observations/comments.

- There appear to be no hydraulic conductivity data or testing from the area around the corals
- To prevent groundwater contamination from manure leachate; we recommend that the applicant either provide supporting data verifying a clay aquitard under the corrals, or construct the corrals with a plastic liner to catch any manure leachate.
- Well #115735 is located within 100m of the proposed corrals, shelter, and catch basin. This may create a nuisance condition, as run-off from these areas can contaminate the well.
- To determine the extent to which manure leachate from the pens is affecting groundwater quality AHS recommends periodic chemical monitoring of well #115735 as it appears to be down gradient from the CFO.
- We recommend the Developer/Owner provide verification to the approving authority that there is sufficient and approved water allocation for the proposed development.

If you require further clarification please contact me at the Community Health Center in Fort Macleod at 403-553-5351.

Sincerely,



Robert Rippin, B.Sc. B. Tech, CPHI (C)
Executive Officer/ Public Health Inspector
Environmental Public Health