

MEMORANDUM

October 25, 2004

FROM: Cindy Yenter, Water District 130 *Cy*

RE: Frank Veenstra V&C Dairy -- Field Analysis and Recommendations for Application for Transfer Nos. 66107, 66113 and 66114

On October 21, 2004 I visited the Veenstra V&C Dairy and V&C Heifer Facility, located in Sections 23 and 24, respectively, of T07S R14E, Gooding County. I was accompanied by Angye Leavitt, North Snake Ground Water District.

The purpose of this visit was to verify locations of existing wells and, to the extent possible, confirm the accomplished changes in use of water under license no. 36-2352, et al, in order that the transfers may quickly move forward to approval. Neither of the two facilities is authorized by valid water rights at this time.

The V&C Dairy (Transfer 66107) has a milking herd of approximately 800 head. There are four existing wells - two at the dairy barn, and two used for stock water in holding pens and corrals. One of the two wells at the dairy barn has recently been replaced, and the old well will be abandoned. The newest well (New Well) will replace the older of the two original dairy wells, which is situated inside the building and thus is inaccessible for maintenance and repair. The new well will have a 7.5 HP pump installed and become the primary barn well. The remaining well (Old Well) has a 5 HP pump and will be the backup barn well.

Two existing flow meters were found at the barn, one on the Old Well and one set up to be used by the New Well. The Old Well is supplying all the milk parlor water at this time. I tested the flow meter, and found it to be operating 8% higher than my standard meter. While technically within acceptable accuracy limits, this level of deviation could still be a cause for future concern. Since this well will operate as a backup and might not run much, the operational error might not be a major issue. The meter for the New Well is not installed according to specifications, and I have notified the pump contractor that the meter must be relocated prior to the well going on line. If the meter is properly placed, there is a fairly good chance that it will also operate within accuracy criteria. If the meters fail to operate within criteria, they will be required to be replaced with magnetic-type meters pursuant to the new standards.

The third well was found at the southeast corner of the commodity barn, and the fourth well is located approximately 775 feet west of the milk barn. These wells are not directly connected to the barn water lines, but they serve the same facility under the proposed transfer. Neither stock water well had a flow meter installed at the time of our visit. The Commodity Barn well (#3) serves the front corrals. Well #4 is the original point of diversion for irrigation under license 36-2352 (although the legal description is slightly different - see PLS details below). This well is used at calf pens and back corrals. At this time there is a submersible pump (horsepower unknown) installed in well #4, and the pump was running during our visit.

Place of use for the V&C dairy is within the NE $\frac{1}{4}$ Section 23. The place of use for land application is south of the dairy within S $\frac{1}{2}$ NE Section 23. Mr. Veenstra indicates that he rarely has to pump effluent from the pond. (The facility visible on the map in the NW $\frac{1}{4}$ Section 23 is the Vebree dairy (previously Bettencourt), which is the subject of transfer no. 66526 on a different portion of right no. 36-2352.)

The V&C Heifer facility (Transfer 66113) is located across the road to the east and about $\frac{1}{2}$ mile south of the dairy barn. There are 375-400 replacement animals at the facility. At this time, there is a single existing well for stock water. Veenstra does not plan to construct the second well in the near future, but would like the second point of diversion to remain on the transfer. I found the place of use limited to the SWNW and N $\frac{1}{2}$ SW Section 24. The transfer shows a place of use within all of SW Section 24. Mr. Veenstra indicates he does not own the lands in S $\frac{1}{2}$ SW Section 24.

The remainder 18.1 acres for 36-2352 (re-assembled pursuant to Transfer 66114) are no longer irrigated. The entire farm was dried up for construction of the dairy. The remainder acres are proposed to be changed in their entirety under a transfer received on 4/24/2002 in the name of V&L Dairy (also Frank Veenstra). This transfer has not been numbered and is still awaiting review at Southern, pending the approval of the six prior transfers. The proposed destination of the remainder acres is a presently non-regulated dairy facility located in SESE Section 32 T07S R14E.

The positional and site identification information on the V&C wells is as follows (all within T07S R14E). All qqq descriptions determined with gis coordinates (see map).

Dairy Barn, New Well:	Tag No. D0034371 SENENE Sec 23
Dairy Barn, Old Well:	Tag No. A0011894 SENENE Sec 23
Commodity Barn Well:	Tag No. A0011893 SESENE Sec 23
Corral Well: (Old irrigation well)	Tag No. A0011895 SWNENE Sec 23 <i>Note: differs from licensed pls of NWSENE</i>
Heifer Facility Well:	Tag No. A0011892 SWNWSW Sec 24