

APPENDIX "B"

WATER POLICY

ON QUARTER SECTIONS OF LAND WHERE THE PROPOSAL WOULD NOT CREATE MORE THAN 5 LOTS PROOF OF ADEQUATE WATER SUPPLY IS A MUNICIPAL REQUIREMENT PRIOR TO FINAL READING OF A BYLAW FOR REDESIGNATION AND THE SUBSEQUENT SUBDIVISION OF LAND.

The Municipality will require the applicant for redesignation or subdivision to drill one well per lot, to a maximum of three wells, and conduct a 12-hour pump and 12-hour recovery test on each well. These test results must be submitted to the Municipality with Q20 calculations, stamped and sealed by a member of APEGGA.

Each Q20 report must meet the following criteria:

- ❖ guidelines as per Alberta Environment Protection specifications;
- ❖ a minimum safety factor of 0.7 must be used in calculating the Q20 results;
- ❖ the recommended pumping rate resulting from the Q20 calculations must be equal to, or greater than, the total number of lots within $\frac{1}{4}$ mile of the proposed lots (including the proposed lots), divided by 6;
- ❖ the well must recover to at least 90% of its original drawdown or be recovered for the same duration as the drawdown.

The recommended Q20 from the engineer cannot exceed the rate at which the well was pumped. All test results must be recorded and calculated from the static water level.

EXCEPTIONS TO THE ABOVE POLICY

- IN AREAS, THAT IN COUNCIL'S OPINION, ARE NOT KNOWN FOR WATER SHORTAGES;
- WHERE THE TOTAL NUMBER OF LOTS WITHIN THE $\frac{1}{4}$ SECTION, INCLUDING THE PROPOSED LOT(S), WILL NOT EXCEED 5 LOTS, COUNCIL MAY REQUIRE A 4-HOUR PUMP / 4-HOUR RECOVERY TEST WITH RESULTS SUBMITTED TO THE MUNICIPALITY SHOWING A MINIMUM PUMP RATE OF 4 IGPM;
- NO PROOF OF WATER REQUIRED ON LOTS CONTAINING AN EXISTING RESIDENCE;
- NO PROOF OF WATER REQUIRED ON PARCELS EXCEEDING 20 ACRES IN SIZE.

6 LOTS OR MORE PER 3 SECTION

For all applications proposing the use of a communal water system or where 6 or more lots (including existing) will be on a 3 section, proof of water must conform to the Water Act.

General Information

In cases where staff deems that the well test results submitted do not meet the requirements of this policy, an appeal can be made to Council.

In the case where a 4 hour pump test is required and the well is unable to attain 4 IGPM, a Q-20 must be conducted, meeting the above noted Q-20 criteria.

January 21, 1999