



State of Idaho

DEPARTMENT OF WATER RESOURCES

2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

WESTERN REGION

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

May 31, 2007

COUNCIL SCHOOL DISTRICT
ATTN: MURRAY DALGLEISH
PO BOX 468
COUNCIL ID 86312

RE: APPLICATION FOR PERMIT 67-14780

Dear Mr. Dalglish:

Our office received your application for permit on 8/7/2006. During my review of this application, I discovered some issues that need to be clarified prior to proceeding with processing. I have spoken to you twice concerning this application in hopes of setting up an appointment to go over the discrepancies. In our last telephone call, you asked that I return the application to give you an opportunity to work on the application. I have enclosed the application with this letter. Please clarify the following areas:

- 1.) In section 3 of the application, you stated the well was located in the SWNE Section 15, Township 16N, Range 1W. This legal description matches the general location of the school on the map supplied, but the map doesn't designate the actual location of the well. In order for us to determine if the correct legal description was given, we need the approximate well location marked on the map. Please mark and X or circle the general location of the well and label it as the well or PD on the map. I am assuming the legal description is correct, but I need to verify it with the map.

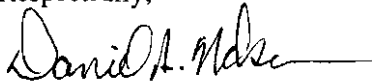
- 2.) In section 4 of the application, you requested 1.20 cfs for 6 acres of irrigation. The standard irrigation rate for your area is 0.02 cfs per acre or one minors inch per acre, or 0.12 cfs for 6 acres. However, we can allow excessive diversion rates for schools, golf courses, parks, or other public type places if the applicant can show a need for additional water due to limited irrigation times, such as not irrigating during school hours. In our telephone conversation, you stated that you have 20 sprinklers with 9/64-inch nozzles. If your system runs at 40 to 60 psi, then your sprinklers would put out between 3.74 gpm to 4.5 gpm per sprinkler. Please see enclosed guidance sheet. At these estimated nozzle discharge rates, the 20 sprinklers would require a diversion rate of 75 gpm to 90 gpm or 0.17 cfs to 0.20 cfs. This sounds fairly reasonable for this type of system. We often see these systems operate at 1½ minor's inches per acre or 0.03 cfs per acre. At 0.03 cfs per acre for the entire 6 acres would be approximately 0.18 cfs. I would consider a diversion rate of 0.20 cfs or less a reasonable diversion rate for this type of system. However, I strongly recommend you have an irrigation company or someone with some knowledge of irrigation systems evaluate your system to determine your water needs.
- 3.) In section 7 of the application, you neglected to complete the time required to complete the project. You must insert 1 to 5 years in this space. Even if the project has already been completed, you will need to insert the 1-year minimum required.
- 4.) In Sections 9 and 10, you list the total number of acres as 6 acres, and that no other water rights are used for irrigation on this property. However, my research of the application revealed that water right 63-2288 is owned by the school and is for irrigation purposes. A computer-generated copy of this water right is enclosed with this letter. Is this right used for lawns or irrigation uses other than the 6 acres requested in this application, or is it included in the 6 acres mentioned in this application. You may be able to still list the 6 acres in section 9 if you are requesting a higher diversion rate per acre, since 63-2288 only allows a diversion rate of 0.02 cfs or a minors inch for one acre. Therefore, if total land being irrigated by the school equals 6 acres and you need more than 0.12 cfs to properly irrigate your property, then you will need to list 67-2288 in section 10 and reduce the diversion rate by the 0.02 cfs covered that is covered by that right. If the total land being irrigated by the school is 7 acres, then you will need to list 67-2288 in section 10, and add a remark in section 12 stating that this right is for other lands under the school's ownership. If the total land being irrigated is 6 acres, and you only need 0.12 cfs to properly irrigate the property, then you will need to reduce the diversion rate to 0.10 cfs in section 4; reduce the acre being irrigated to 5 acre in section 9; and include water right 67-22898 in section 10.

Any changes that you make to the application will require that you initial and date any changes in the margin. If this isn't done, I will be required to return it to get the changes approved. All of the above information is dependent on the amount of water that is required to adequately irrigate your property. I do recommend that you have an irrigation company or specialist look at your system to make sure you are asking for the adequate amount of water to properly irrigate your property, while the kids are in school (at night time). There is also a possibility that your agriculture instructor, a city employee, fire department chief, or local irrigation sales company would be willing to come out and assist you in evaluating your system to determine the pumping capacity or at least the pressure used in your sprinklers. If you had a reasonable pressure estimate, then you could use the enclosed sheet to determine the flow rate required.

Please submit the requested information to allow final evaluation of your application to be completed. You may seek additional time to provide the information by making a written request to delay or interrupt processing. **Your written response including the requested information, or a request for more time to seek the information must be received by July 2, 2007.** The application will be voided or returned without a timely reply.

If you have any questions or concerns please contact me at the above address.

Respectfully,

A handwritten signature in black ink, appearing to read "Daniel A. Nelson", followed by a horizontal line.

Daniel A. Nelson
Sr. Water Right Agent

Enclosures