

SEPTEMBER 13, 2010

Washington State University
Science Mathematics Engineering Center
Po Box 644237
Pullman, WA 99164-4237

Mr. Curt Carpenter
Moses Lake Irrigation and Rehabilitation District (MLIRD)

Dear Mr. Carpenter:

I have had an opportunity to critique your "MLIRD Water Quality Institute" and am very happy to report that it is ranked "OUTSTANDING."

The "Background" statement provides an excellent scenario of the history of the area and the student institutes that have been conducted in the geographic confines. The descriptions provided about the proposed Water Quality Institutes are most specific and detailed. Of critical importance, you are planning for three different ones (high school, middle school, and elementary school) illustrate a student developmental perspective that should be published nationally. The goals, objectives, and student activities are most appropriate. The use of student journals is a novel method of evaluating the student efforts.

The consultants that you have identified are an excellent set of human resources. I have personally worked with Jack Horne and Clyde Carpenter as Co-Principal Investigators on at least 6 or 7 funded water quality projects and they bring a very strong background, plus experience in this arena. Laurie Odegaard and Jennifer Carpenter were former participants in our WSU sponsored institutes. Both were so outstanding that we invited them to mentor other teachers in subsequent workshops.

My own background is Science Education and I have written or co-written 26 National Science Foundation Grants and have had dozens of other funded projects. One \$950,000 project involved teachers for eight Central Washington School Districts in which we focused on literacy, science, and technology. Jack Horne and Clyde Carpenter were Co-PI's for science and technology. And I am now completing the 3rd year of three on an NSF funded \$500,000 grant to bring in teachers to work with research engineers.

Curt, your project is guaranteed to be a success.

Respectfully,

SS//Donald C. Orlich

Dr. Donald C. Orlich
Professor Emeritus of Education and Science Instruction
Washington State University