June 15 2016

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DEPARTMENT OF
WATER RESOURCES

Mr. Gary Spackman, Director
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83702-0098

Subject: West Ada Area of Drilling Concern

Dear Mr. Spackman,

I am writing to express my support for the designation of the West Ada Area of Drilling Concern (WAADC). My support is based on over 25 years of completing hydrogeologic studies and remediation projects in the Northwest, Rocky Mountains, Great Plains and Midwest, as well as my analysis of the April 20, 2015 groundwater study prepared by HydroLogic, Inc.

As a consulting groundwater geologist as well as university instructor, I have been extensively involved with investigating both consolidated and unconsolidated aquifers in confined and unconfined conditions. In addition, I have been involved with numerous soil and groundwater remediation projects resulting from point- and nonpoint-source contamination and improperly constructed wells. From my experience, the two most effective techniques for preventing groundwater contamination are point source control *and sealing wells in a manner that prohibits intermixing of aquifers.*

The HydroLogic, Inc. report clearly and accurately depicts the geology and hydrogeology of the Meridian area, and provides techniques for well drilling and completion techniques that minimize aquifer intermixing. Many of the techniques they recommend simulate natural geologic seals and are required in other regions resulting in preservation of aquifer conditions. In fact, the proposed requirements are consistent with the requirements set by the Idaho Department of Water Resources in other areas of the Treasure Valley and State of Idaho.

For these reasons, I support the Department's efforts to protect the State's drinking water supply and urge you to implement the West Ada Area of Drilling Concern as proposed.

Sincerely,

Jeffrey S. Johnson, PhD, PG
Professional Registrations in Idaho, Nebraska and Kansas

Cc: Jeff Peppersack, Hearing Officer, Idaho Department of Water Resources