



SPF WATER
ENGINEERING

November 10, 2010

Mat Weaver, P.E.
Idaho Department of Water Resources
322 East Front St.
P.O. Box 83720
Boise, ID 83720-0098

Subject: Water-Bearing Zone Permit 63-31949

Dear Mat:

In response to your email dated November 5, 2010, this letter is an official request to change the water-bearing zone for water right permit 63-31949. The currently approved water-bearing zone is 250 to 440 feet. The well is sealed to 370 feet, cased to 385 feet, and screened intermittently from 385 to 483 feet. My beneficial use field examination report recommended a water-bearing zone of 350 to 500 feet.

Justifications for permitting the deeper water-bearing zone are the following.

1. The water-right permit application was not protested. This suggests that well interference or injury to other water rights was not a significant concern to local well owners or water right holders at the time of application. Furthermore, we are not aware of any adverse impacts that have developed since the time that the well was put into production.
2. The City is the primary user of deep ground water in the area. As such, any impacts as a consequence of pumping from the proposed water-bearing zone will occur primarily to City-owned wells.
3. Depletion of shallow aquifers could be a concern to surface water users or domestic well owners. However, by authorizing a deeper water-bearing zone, any such concerns should be lessened.
4. The well penetrated alternating layers of sand and clay from 47 feet to the total drilled depth of 520 feet. Therefore, there is no significant change in geology to indicate a separate aquifer. However, the well drillers report shows a change in sediment color from brown and tan above 309 feet to blue below 309 feet. This change in color indicates a change in chemistry at approximately 309 feet. The Department's policy for well construction has been not to mix waters of differing chemistries. As a result, nearly 60 feet of the original water-bearing zone (i.e., from 250 feet to 310 feet) is not available for use. Adding 60 feet to the bottom of the original water-bearing zone will result in a maximum water-bearing zone depth of 500 feet.

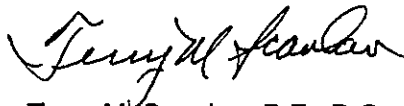
Mat Weaver, P.E.

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November 10, 2010

Please contact me with any questions or comments concerning this request.

Sincerely,

A handwritten signature in cursive script, appearing to read "Terry M. Scanlan".

Terry M. Scanlan, P.E., P.G.

Certified Water Right Examiner 11-129

Cc: Michael Fuss – City of Nampa
Chris Meyer – Givens Pursley

File: 270.0070