



January 13, 2012

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 63-31243

Dear Mat:

In response to your email dated December 28, 2011, this letter is an official request to change the water-bearing zone for water right permit 63-31243. The currently approved water-bearing zone is 375 to 475 feet. Two wells were constructed (see Table 1).

Table 1

Well Diameter (for identification)	Completed Depth (ft)	Cased Depth (ft)	Screen Location (ft)
12"	473	389	389-473
14"	285	236	240-285

Your email specifically addresses the 14-inch well. The well is sealed to 236 feet, cased to 240 feet, and screened from 240 to 285 feet (according to the Well Driller's Report). My beneficial use field examination report recommended a water-bearing zone of 240 to 473 feet and identified the need to change the permitted water-bearing zone.

Justifications for permitting the shallower 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 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. Local domestic wells are typically less than 200 feet deep. The 14-inch well is sealed from ground surface to 236 feet. Therefore, the 14-inch well will be drawing water from deeper water-bearing zones than tapped by nearby domestic wells.
4. The 12-inch well penetrated alternating layers of oxidized (i.e. tan, yellow, or brown colored) sand and clay from near ground surface to a depth of 484 feet. Sediments from 484 to 509 feet depth were reduced (i.e., blue colored), suggesting a change in geochemistry. Therefore, it appears that both wells are completed within the same oxidized portion of the aquifer.

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

Sincerely,



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

