

Subject: FW: Wellington 4th Qtr Water Quality
From: "Karla Knoop" <kknoop@jbrenv.com>
Date: Sun, 29 Jan 2006 14:01:36 -0700
To: "Patrick Collins" <mt.nebo@xmission.com>

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Patrick, here's the forward I was referring to in the previous email.

Karla

-----Original Message-----

From: Karla Knoop [<mailto:kknoop@jbrenv.com>]
 Sent: Monday, May 03, 2004 12:22 PM
 To: 'Gregg Galecki'
 Subject: RE: Wellington 4th Qtr Water Quality

Greg,

Regarding Wellington Prep Plant wells GW-3, GW-13, and GW-17:

These wells are typically not completely dry, but commonly have only a small amount of water in them. We often purge them dry, which is usually much less than a 3-volume purge, and they are very slow to recover. Over the time that we've been monitoring those, there has been some variation in when we take samples and when we don't, depending upon the static depth, the recovery time, and the time we allow for recovery. Some times, we have started to take a sample, but not gotten enough to completely fill all bottles and/or to field filter. Particularly for GW-3, some samples for which volume has been low have been difficult for the lab to analyze due to interferences (when depths are low, the sample sometimes ends up with large (1/4 to 1/2 inch) salt crystals in it). GW-17, when sample volume is minimal, becomes very dirty.

So, in order to provide better monitoring efficiency, data reliability, and consistency, a couple of quarters ago, I used the past records to derive cutoff points for each of these wells below which we would record depth, but not attempt to sample. These cutoffs are:

GW-3: 13.5 feet
 GW-13: 25.3 feet
 GW-17: 25.5 feet

Of course, if you have another recommendation, we can discuss it, and alter our procedure. Mainly, I just wanted to have things more consistent. Also, prior to jbr doing the sampling, I don't believe that the wells were purged at all before sampling.

I'll need to wait until I see your spreadsheet highlights before I know what your other questions are.

Hope all's well,
 Karla

-----Original Message-----

From: Gregg Galecki [<mailto:gregggalecki@utah.gov>]
 Sent: Monday, April 26, 2004 2:23 PM
 To: kknoop@jbrenv.com
 Subject: Wellington 4th Qtr Water Quality

Karla,

Please take a look at the attached spreadsheet. I have highlighted my questions in yellow. I assume GW-17 and GW-17 don't have data because

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they are dry. However, it is interesting that GW-3 has water quality from a deeper elevation.

Thanks,
Gregg