



Wellington Prep Plant Water Quality

3 messages

Steve Christensen <stevechristensen@utah.gov>

Mon, Nov 18, 2013 at 5:21 PM

To: Patrick Collins <mt.nebo@xmission.com>, Erik Petersen <petersen@relia.net>

Cc: Daron Haddock <daronhaddock@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Hi Pat,

Touching bases again on the Wellington Prep Plant water quality data.

Any clarification on molybdenum as a required water quality parameter (see table 7.24.2)? Plus, I was curious if you'd found where the baseline data collection discussion is in the MRP? I just want to make sure it doesn't get missed if it's coming up.

The other thing that has come up is that I've identified quite a number of monitoring wells that are missing 4th quarter 2012 data and a couple of surface water monitoring sites. I don't know if it's because of our database woes or what. The missing parameters are very random which is not what we've seen at other sites as a result of our database issues. Here's the missing data:

Missing ground-water monitoring information for 4th quarter 2012:

GW-1: total-alkalinity, bicarbonate, cation-anion %difference, total iron, total manganese, total selenium, total boron, total cations, total anions, total hardness, TDS, carbonate, dissolved sodium, sulfate and chloride

GW-10: depth (water level), dissolved boron, dissolved iron, dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, cat/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved calcium, dissolved magnesium, total hardness, TDS, field conductivity, carbonate, dissolved sodium, sulfate, dissolved potassium and chloride.

GW-14: Doesn't appear that any of the required water quality data was submitted.

GW-15A: dissolved boron, dissolved iron, dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, cation/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved calcium, dissolved magnesium, total hardness, TDS, carbonate, dissolved sodium, dissolved potassium, sulfate, chloride.

GW-4: dissolved boron, dissolved boron, dissolved iron, dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, cation/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved calcium, dissolved manganese, total hardness, TDS, field conductivity, carbonate, dissolved sodium, dissolved potassium, sulfate and chloride.

GW-6: dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved magnesium, total hardness, TDS, carbonate, dissolved sodium, dissolved potassium, sulfate, and chloride.

GW-7: depth, dissolved boron, dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, cation/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved calcium, dissolved magnesium, total hardness, TDS, field conductivity, carbonate, dissolved sodium, dissolved potassium, sulfate, chloride.

GW-8: cation/anion % difference, total iron, total manganese, total selenium, total boron, total anions.

GW-9: total alkalinity, bicarbonate, cation/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, total hardness, TDS and carbonate.

GW-9B: dissolved lead, dissolved manganese, dissolved selenium, total alkalinity, bicarbonate, cation/anion % difference, total iron, total manganese, total selenium, total boron, total cations, total anions, dissolved magnesium, total hardness, TDS, carbonate, dissolved sodium, dissolved potassium, SO4 and chloride.

Missing Surface Water Data for 4th quarter 2012:

SW-1: Missing all water quality parameters except for field pH.

SW-2A: Missing all water quality parameters except for field pH.

O.k. . .that's quite a bit I realize. I really need to get these water quality reports wrapped as soon as possible, so please call me if I can help resolve this faster.

Regards,
Steve

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Steve Christensen <stevechristensen@utah.gov>

Tue, Nov 19, 2013 at 9:57 AM

To: Erik Petersen <petersen@relia.net>, Patrick Collins <mt.nebo@xmission.com>

Cc: Daron Haddock <daronhaddock@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Good morning Erik and Pat,

Per my phone conversation with Erik, I've gone ahead and deleted the 4th quarter samples listed in the e-mail below. Let me know when they're in the pipeline and we'll give this another shot. Fingers crossed.

If Erik could provide a brief write-up explaining the molybdenum mix-up and the baseline monitoring requirement, that would be great. It appears that baseline monitoring (based on what's happened historically) should occur the 1st quarter of 2014.

Pat- Erik and I discussed potentially submitting a minor, house-cleaning amendment to the Wellington MRP relative to water monitoring.. The reason being is that there's some confusion as to what monitoring is required and when (see molybdenum issue and baseline monitoring). It wouldn't take much to clarify the requirements and provide a table with the names of all the monitoring sites and the parameters that are monitored for each. I think it would go along way to insuring that we're literally on the same page. When you get a chance, give me a call and we can discuss it. Plus, I'd like to try and set up a field visit to discuss the upcoming transloading activity.

Regards,
Steve

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Patrick Collins <mt.nebo@xmission.com>

Tue, Nov 19, 2013 at 10:21 AM

To: Steve Christensen <stevechristensen@utah.gov>, Erik Petersen <petersen@relia.net>

Cc: Daron Haddock <daronhaddock@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Thanks Steve:

I will call you in a few minutes to see if you are at your desk.

Pat

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