From:	Robert Brent Whittier
To:	Scott Rollins
Cc:	Daniel Chang; glenn@soest.hawaii.edu; elkadi@hawaii.edu; hdulaiov@hawaii.edu; Hudson Slay/R9/USEPA/US@EPA; Nancy Rumrill/R9/USEPA/US@EPA; David Albright/R9/USEPA/US@EPA; John Ungvarsky/R9/USEPA/US@EPA; Cindy.S.Barger@usace.army.mil
Subject:	Re: Lahaina WWRF Injection Well and plant information
Date:	02/10/2011 04:33 PM

Scott,

Thank you for the information, for meeting with us a giving us, and giving us a tour of the facility. This will make our planning a lot easier. Based on our meeting and the short time frame for the tracer test, we are considering dual tracers. Although the transport characteristics may be different it would allow us to seperate the Well 1&2 site from the Well 3&4 site. Also we are considering bromide, but that would be added as a secondary tracer along with the dye. As we go through the proposal and planning process we definitely want input from Maui County and so will consult with you.

I am kind of a mid-level person in this project, and when we get the i's dotted and t's crossed I expect a planning meeting between all players will be in order. Will keep you folks up to date as to how things are going.

Again, thanks for granting us a significant amount of your time over the last few days,

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----- Original Message -----
From: Scott Rollins <Scott.Rollins@co.maui.hi.us>
Date: Thursday, February 10, 2011 1:51 pm
Subject: Lahaina WWRF Injection Well and plant information
To: Robert Whittier <whittier@hawaii.edu>
Cc: Daniel Chang <daniel.chang@doh.hawaii.gov>

> Aloha Bob,
>
> Per our meeting yesterday I promised you the two items attached -
> 1. Our last UIC report on the injection well performance.
>
> We recently did the six month testing for wells as required in our DOH permit and a new UIC report is due March 15. I do not think there will be any significant changes from the info in the attached

report. If you also need a copy of the latest (when available) please let me know.
>
> 2. Copy of the diurnal curve for the Lahaina Wastewater Reclamation Facility (WWRF).
>
> This curve was developed during the building of our hydraulic model of our collection system. The other info you got from SCADA may be of better use for you.
>
> As we discussed in our meeting it looks like you have several options for injecting the dye that is selected. I think it is important that you inject in the wells singularly in case one has some how short circuited the normal ground water process and goes more directly to the suspected seeps. That way once the TMDL's are done by DOH perhaps simply closing that well would be an acceptable mitigation method. I think good science and planning for these tests will allow for better and more cost effective choices down the road if discharge requirements become altered in subsequent permits.
>
> Please contact me should you have any questions or require additional information.
>
> Scott
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