From: Okubo, Watson T
To: Nancy Rumrill/R9/USEPA/US@EPA; Sara Roser/R9/USEPA/US@EPA
Cc: Roland Asakura; Murakawa, Scott T
Subject: FW: Chlorine levels at the Lahaina WTP
Date: 07/02/2012 10:46 AM
Attachments: Lahaina WTP chlorine.pdf
Copy of field data for seep sampling 06-18-2012a.xlsx

Ladies,

I talked to Mike Miyahira of SDWB and he provided me with Maui Water Treatment Plant data (attached) and comments. Chlorine data encircled in red is free chlorine reading. In the event of some malfunction, like in May 4, 2012, where the Chlorine read 0.74, Maui County dosed the water and the Inactivation ratio is shown to be 4.05 the next day. So, a free chlorine reading of .59 at the resort showers is reasonable, as well as chlorine readings during last monitoring (see attached). Do you still want us to collect Chlorine readings? Let me know. Thanks.

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From: Miyahira, Michael M
Sent: Wednesday, June 27, 2012 8:44 AM
To: Okubo, Watson T
Cc: Seto, Joanna L
Subject: Chlorine levels at the Lahaina WTP

Note that the Mahinahina WTP also serves the Lahaina system and has similar chlorine levels discharging into the distribution system.

Per the Federal Surface Water Treatment Rule under the SDWA, surface water plants must achieve an inactivation ratio of 1.0 (far right column) to be in compliance. Lahaina, as well as all of the plants in Maui County, provide an extra factor of safety (~3 times) to their chlorine dosing in the event of unforeseen circumstances like chlorination equipment failure, etc.

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