

about which steps have been taken and what is currently known, and we feel a sense of urgency. Is it possible to meet before May 8th? It's difficult to give advice when we don't have all the information, but we are eager to help. You may have already taken several of these steps, but we recommend a full investigation including the following steps:

- Generate an epi curve, map the cases, interview all cases with a hypothesis-generating questionnaire, analyze results from questionnaire (I believe this has been done, and, if so, it would be helpful to review these results with you.)
- Based on these results, determine whether we can either rule out any sources or start investigating any sources. (I believe you have started this...for example you mentioned that some cases were possibly healthcare-associated.)
- Full environmental investigation of any potential sources (We can provide information on how to collect samples, etc. if needed.)
- If the source(s) is found, provide remediation recommendations to stop the outbreak.

I know you've run into issues getting information you've requested from the city water authority and the MI Dept of Environmental Quality. Again, not knowing the full extent of your investigation it's difficult to make recommendations, and it may be difficult for us to provide the kind of detailed input needed for such an extensive outbreak from afar. If you and others at the state feel you would benefit from more intensive assistance with continuing the investigation for any reason, please let us know and we can discuss providing field assistance in the form of an Epi-Aid.

Best regards,
Laurel

Laurel Garrison, MPH
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From: Fiedler, Jay (CDC michigan.gov)
Sent: Monday, April 27, 2015 2:00 PM
To: Cupal, Suzanne; Garrison, Laurel (CDC/OID/NCIRD)
Cc: Kutty, Preeta (CDC/OID/NCIRD); Bohm, Susan (CDC michigan.gov); Johnson, Shannon (DCH); Henry, James; Hasan, Shurooq; Childs, Bonnie; Valacak, Mark; Bohm, Susan (CDC michigan.gov)
Subject: RE: CDC-GCHD Call

Hello Suzanne,

Looking at our schedules, we have limited availability of our core staff here at DHH5 on Friday May 8th. In order to help prioritize or to determine if we should look for an alternate meeting time, can we get an idea of what the agenda will be for this call?

Thanks. -Jay

Jay Fiedler, MS
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From: Cupal, Suzanne [<mailto:scupal@gchd.us>]
Sent: Monday, April 27, 2015 11:50 AM
To: Garrison, Laurel (CDC/OID/NCIRD)
Cc: Kutty, Preeta (CDC/OID/NCIRD); Bohm, Susan (DCH); Johnson, Shannon (DCH); Henry, James; Hasan, Shurooq; Childs, Bonnie; Valacak, Mark
Subject: RE: CDC-GCHD Call

Our team is available on Friday, May 8th at 11am if that would work for you and our state colleagues.

Thank you for your assistance.

Suzanne

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From: Garrison, Laurel (CDC/OID/NCIRD) [<mailto:lee5@cdc.gov>]
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To: Cupal, Suzanne
Cc: Kutty, Preeta (CDC/OID/NCIRD); Bohm, Susan (CDC michigan.gov); Johnson, Shannon (DCH); Henry, James; Hasan, Shurooq; Childs, Bonnie; Valacak, Mark
Subject: Re: CDC-GCHD Call

Hi Suzanne et al.,

If you are interested in discussing the Legionella action items in more detail, please let me know your availability for a conference call involving the county, state, and RDB.

Best regards,

Laurel

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