To: Garland, Jay[Garland.Jay@epa.gov]
Cc: Goodrich, James[Goodrich.James@epa.gov]; Weber, Josh[Weber.Josh@epa.gov]; radha.krishnan[Ex. 4 - CBI]Radha.Krishnan[Ex. 4 - CBI]; Meiners, Greg[Greg.Meiners[Ex. 4 - CBI] Hall, John[Hall.John@epa.gov]; Szabo, Jeff[Szabo.Jeff@epa.gov]
From: Schupp, Don
Sent: Mon 11/27/2017 7:35:25 PM
Subject: RE: WaterGen T&E Questions

Jay,

Our electrician is out this week, so I don't have an answer for you, yet, on the cable length or connector type. However, we will have to find a place to locate the WaterGen for testing at T&E. This will affect the cable length, obviously. Do you have an approximate size of the unit so we can determine where it will fit?

Don

APTIM

Don Schupp, P.E.

Ex. 4 - CBI

From: Garland, Jay [mailto:Garland.Jay@epa.gov]

Sent: Tuesday, November 21, 2017 5:00 PM
To: Schupp, Don Ex. 4 - CBI
Cc: Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; Krishnan, Radha Ex. 4 - CBI; Meiners, Greg Ex. 4 - CBI
Subject: RE: WaterGen T&E Questions

A question from watergen.

The power we need is: Ex. 4 - CBI

Ex. 4 - CBI

We like to know the connector type and how long the cabal should be.

Can you provide a response?

From: Schupp, Don Ex. 4 - CBI
Sent: Tuesday, November 21, 2017 12:56 PM
To: Garland, Jay <Garland.Jay@epa.gov>
Cc: Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; radha.krishnan Ex. 4 - CBI Meiners, Greg Ex. 4 - CBI
Subject: RE: WaterGen T&E Questions

Jay,

I spoke with our electrician (Gary Lubbers). He said that we have sufficient power at the T&E Facility to power the WaterGen unit. With Ex. 4 - CBI we will need approximately Ex. 4 - CBI and we can go as high as Ex. 4 - CBI We will need to see if they need either Ex. 4 - CBI and the specific connector that they have, but it should be doable.

Also, as we discussed, the T&E highbay is heated in the winter to approximately Ex. 4 - CBI but I believe that EPA Facilities controls that temperature. It is not ever cooled or humidity

controlled. We have two large environmental chambers in the highbay, but they have not been actively used (temperature or humidity controlled) for about 10 years and need significant work to get in operating condition.

Please let us know if you have any questions, and we look forward to seeing the unit at T&E.

Don

APTIM

Don Schupp, P.E.

Ex. 4 - CBI

From: Krishnan, Radha
Sent: Tuesday, November 21, 2017 10:51 AM
To: Meiners, Greg Ex. 4 - CBI; Schupp, Don Ex. 4 - CBI
Subject: Fwd: WaterGen T&E Questions

Can either of you touch base with Jay Garland in my absence? Thanks.

Sent from my iPhone

Begin forwarded message:

From: "Goodrich, James" <Goodrich.James@epa.gov>
Date: November 21, 2017 at 10:05:51 AM EST
To: "Garland, Jay" <Garland.Jay@epa.gov>
Cc: "Weber, Josh" <Weber.Josh@epa.gov>, "radha.krishnan Ex. 4 - CBI
<Radha.Krishnan Ex. 4 - CBI >, "Ernst, Hiba" <Ernst.Hiba@epa.gov>
Subject: WaterGen T&E Questions

Hi Jay,

For electrical and other HVAC issues I would refer you to Radha. Gary Lubbers on his staff should be able to handle such questions. In regards to humidity control, there is the Environmental Chamber (phytoremediation projects) that might be able to conduct experiments with different humidity levels, although I'm not sure the medium size WaterGen unit would fit through the door.

Jim

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James A. Goodrich, Ph.D.

Sr. Science Advisor

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