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From: dmayer@tenera.com
Sent: Wednesday, March 25, 2009 10:50 AM
To: Catherine Hagan (George)
Cc: Halter, Amanda (OC); Garrett, Christopher (SD); Chiara Clemente; Deborah Woodward; Singarella, Paul (OC); pmaclaggan@poseidon1.com; dmayer@tenera.com; Philip Wyels
Subject: RE: Poseidon: 2004-2005 EPS Flow Data

Ms Catherine Hagan. The data we received from the plant show that data were not available on those days. As a result the flows were assigned values of zero.

If flow data are available, it would take very little effort to include them in the data tables. The inclusion of any such flow data might very slightly change the 2004-05 annual daily average actual flow; the average would increase if any newly included flows were greater than the daily average and decrease if any newly included flows were lower than the annual daily average. As the annual average daily flow increases, Poseidon's flow-based prorating value used to estimate CDF-standalone impingement would decrease, yielding lower estimates of annual average daily impingement numbers and weights.

The estimated annual average daily impingement rate (weight or numbers), which is based on plant flows measured during the impingement surveys, did not include any of the missing flow days, and therefore would be affected by inclusion of any such "missing" flow data.

Regards, David Mayer

> Thank you.

>

>>>> <CHRISTOPHER.GARRETT@LW.com> 3/24/2009 5:11 PM >>>

> Catherine,

> David Mayer will be directly responding.

>

> However, let me attempt to summarize the answer he gave me.

>

> The data set that Tenera has does not show any flow on those five dates,

> and those dates were not considered part of normal operations for purposes

> of the Tenera study.

> He tells me that these dates were not used as part of the data set used

> as part of the analysis to predict impingement impacts from Poseidon's

> operations, but he can elaborate.

>

> Chris

>

>

From: Catherine Hagan (George) [mailto:CHagan@waterboards.ca.gov]

> Sent: Tuesday, March 24, 2009 1:06 PM

> To: Halter, Amanda (OC); Chiara Clemente; Deborah Woodward

> Cc: Garrett, Christopher (SD); Singarella, Paul (OC);

> PMacLaggan@poseidon1.com; dmayer@tenera.com; Philip Wyels

> Subject: Re: Poseidon: 2004-2005 EPS Flow Data

>

> Chris, Amanda, et al.,

>

4/1/2009

> We have a follow-up question concerning the 2004-05 flow data provided
 > with your email of 3/5, below, which, we assume was compiled by Tenera
 > from the EPS operator pump logs.
 >
 > The data indicate that on five days (i.e., 12/25/04, and 1/7/05 to
 > 1/10/05), there was zero flow. We understand this to mean that on those
 > days, there was no flow to the condensers, i.e., the EPS cooling water
 > pumps were undergoing maintenance or not-operational. However, we see
 > from the Cabrillo monitoring reports submitted to the Board that there
 > were discharges on those days of about 580 to 660 MGD. We are not clear
 > how there can be discharges of these volumes on a day with no intake. It
 > is possible that we are not be interpreting the data correctly and would
 > very much appreciate if Poseidon (or Dr. Mayer) can help us understand the
 > flow conditions on those days, as well as a couple other days on which the
 > calculated intake flows are far lower than the reported discharge.
 > Thank you for your assistance with this request.

> Catherine

> Catherine George Hagan
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 > Office of Chief Counsel
 > State Water Resources Control Board
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> *****

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 > Facsimile: 858.571.6972

>>>> <Amanda.Halter@lw.com> 3/5/2009 10:44 AM >>>

> Debbie and Chiara,
 > Attached is the 2004-2005 EPS flow data collected by Tenera that
 > you requested, in Excel and Word formats. Now that we have this
 > data in hand, the discrepancy between the average flow calculation
 > in the 3/06/08 Minimization Plan, 632 MGD, and the 657 MGD number
 > provided by Dr. Mayer is explained. The 632 MGD represents the
 > average flow for all days during the period. In contrast, 657 MGD
 > is the average flow for the 52 days on which impingement data were
 > collected.

> Please let us know if you have any questions. We look forward to
 > speaking with you this afternoon.

> Best regards,

> Amanda

> Amanda Halter

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4/1/2009

> Fax: 714-755-8290
> Email: amanda.halter@lw.com
> <<Copy of DailyFlow-Survey.xls>> <<EPS 2004-2005 Flow Data.pdf>>
> *****
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