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From: Philip Wyels [PWyels@waterboards.ca.gov]
Sent: Wednesday, February 18, 2009 5:08 PM
To: Halter, Amanda (OC)
Cc: Garrett, Christopher (SD); Singarella, Paul (OC); PMacLaggan@poseidon1.com; Catherine Hagan (George)
Subject: Re: Poseidon: response to Regional Board request 3 and staff's emailed questions

Thanks, Amanda. I forwarded them to region 9 staff.

Phil (sent from Blackberry)

-----Original Message-----

From: <Amanda.Halter@lw.com>

Cc: <CHRISTOPHER.GARRETT@LW.com>

Cc: <PAUL.SINGARELLA@LW.com>

Cc: <PMacLaggan@poseidon1.com>

To: Wyels, Philip <PWyels@waterboards.ca.gov>

Sent: 2/18/2009 5:00:35 PM

Subject: Poseidon: response to Regional Board request 3 and staff's emailed questions

Phil:

Please consider this to be Poseidon's response to the Regional Board's information request number three that was provided to us on February 11th. As you know, Poseidon committed to provide the Regional Board with this information on Wednesday February 18, 2008.

During the course of discussions on and after February 11th between Poseidon's consultant Dr. David Mayer and Regional Board staff, additional information beyond that listed in the Executive Director's statement was also requested by Regional Board staff. That additional information is being provided separately today, and a copy will be sent to you as well.

The information requested on February 11th in the Executive Director's statement was:

"Poseidon to provide the flow-proportioned calculations for Poseidon's impacts due to impingement, to help support the Board's determination that these impacts are de minimis."

Poseidon's Flow Minimization Plan and Marine Life Mitigation Plan submittals have calculated Poseidon's impacts due to impingement on a

"stand alone" basis. That is, Poseidon has calculated its impact as if the existing Encina Power Station ("EPS") was not using any water from the EPS seawater intake system and Poseidon was using the seawater intake system to obtain the seawater needed for its project.

Poseidon has agreed to provide mitigation under the MLMP for entrainment and impingement based on these "stand alone impacts."

However, Poseidon has also provided information on the degree to which the EPS continues to operate and provide wastewater discharge for Poseidon's project.

Poseidon has estimated its impingement impacts utilizing observation data collected by Tenera to measure impingement impacts on marine life from the operation of the EPS seawater intake system in 2004 to 2005.

Because the EPS seawater intake system operated at a greater flow rate in 2004-2005 than was required for the Poseidon project, Poseidon has provided observations and calculations to determine the correlation between higher and lower flow rates and the amount of impingement at these various flow rates. It is Poseidon's understanding that "flow-proportioned" calculations involve an explanation of the calculations used to estimate Poseidon's stand-alone impingement impacts based on Poseidon's stand-alone flow rate, versus the impingement impacts observed by Tenera in 2004 and 2005 for operation of the EPS seawater intake system for EPS. These calculations were

based on a regression equation that calculates the impingement impacts at various flow rates.

The following is a description of that regression equation. Also attached are the data and calculations performed using this regression equation.

Response to Regional Board request 3

<<AH - Response to Regional Board Feb 11 hearing request no 3 (w regression analysis) (997617_3_OC).DOC>>

Attachment A (Nordby statement)

<<Nordby Supplemental Statement (994612_5_OC).DOC>>

Responses to Staff's Emailed Questions

<<AH - Responses to Staff's Bullet Pointed List of Questions 1-4 (997527_3_OC).DOC>>

Attachment A (Nordby statement)

<<Nordby Supplemental Statement (994612_5_OC).DOC>>

Attachment B (Peter's monthly data)

<<agh - poseidon 2008 charts by month (997583_2_OC).DOC>>

Best regards,
Amanda

Amanda Halter

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