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GulfLanding

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April 12, 2004

Lt. Derek Dostie
 U.S. Coast Guard
 Staff Symbol: G-MSO-2
 2100 Second Street, S.W.
 Washington, DC 20593-0001

USCG-2004-16860-24

RE: **Supplemental Information on Fish Egg Data and Analysis based on a Warming Water Rate of 21,500 m³/hr to be consistent with NPDES Permit Application**

Dear Derek:

Further to our meeting earlier today, we have updated the SEAMAP fish egg data information submitted on 1 April 2004. The analysis previously submitting on 1 April 2004 is presented in Table 1. This analysis was based on a warming water flow rate of 20,000 m³/hr. 20,000 m³/hr represents our best estimate of the warming water required for regassification on the Gulf Landing terminal. However, as it has been pointed out by E2M, this rate is not consistent with the warming water rate documented in our NPDES application. Therefore, for consistency between the Deepwater Port Application and the NPDES Application, we have updated this table, as shown in Table 2, to consistent that higher warming water rate of 21,500 m³/hr represented in the NPDES application.

Table 1. Comparison of potential entrainment estimates for fish larvae and fish eggs based on a seawater intake of 20,000 m³/hr (127 million gallons per day).

| Locations | Data Set | | | Fish Larvae Per Day |
|----------------------------------------------------|---------------------|-------------------|----------------------|---------------------|
| | SEAMAP | | Shaw et al. 2002 | |
| | On-line Data Base | Lyczkowski-Shultz | NOAA 11 July 2003 | |
| | Fish Larvae Per Day | Fish Eggs Per Day | Fish Eggs Per Day | |
| West Cameron 213 (Preferred Alternative) | 536,457 | 1,381,041 | 1,471,549 | 796,800 |
| West Cameron 183 | 491,271 | 996,003 | | |
| Entire 30-nmi ² SEAMAP Sampling Grid | 551,433 | 1,220,488 | | |

Table 2. Comparison of potential entrainment estimates for fish larvae and fish eggs based on a seawater intake of 21,500 m³/hr (136 million gallons per day).

| Locations | Data Set | | | |
|----------------------------------------------------|------------------------|----------------------|----------------------|------------------------|
| | SEAMAP | | | Shaw et al. 2002 |
| | On-line Data Base | Lyczkowski-Shultz | NOAA 11 July 2003 | Fish Larvae Per Day |
| | Fish Larvae Per Day | Fish Eggs Per Day | Fish Eggs Per Day | |
| West Cameron 213 (Preferred Alternative) | 576,691 | 1,484,619 | 1,581,915 | 856,560 |
| West Cameron 183 | 528,116 | 1,070,703 | | |
| Entire 30-nmi ² SEAMAP Sampling Grid | 592,790 | 1,312,025 | | |

As stated in the meeting these numbers are indicative of the warming water rates expected for Gulf Landing based on the analysis and engineering that has been completed to date. The terminal warming rate is not expected to exceed the 21,500 m³/hr average over a year, as such this should be considered an upper limit of our potential impact on fish eggs and larvae.

Lastly, we consider this submission to be subject to publication in a public forum and it is not of a company confidential nature.

If you have any questions or require further clarification, do not hesitate to contact the undersigned.

Respectfully submitted,

Matthew Zerafa
HSE and Regulatory Affairs Lead
Gulf Landing

Cc: Alan Finio – E2M