



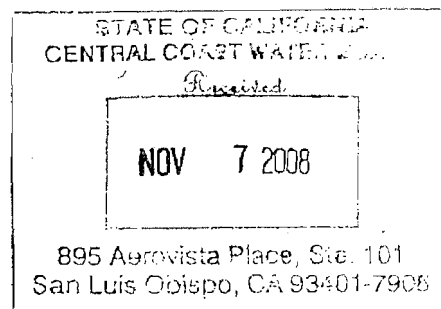
## Moss Landing Marine Laboratories

8272 Moss Landing Road, Moss Landing, CA 95039-9647 USA Tel: (831) 771-4400 Fax: 632-4403

(<http://www.mlml.calstate.edu>)

November 4, 2008

To: Roger Briggs, Executive Director  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aerovista Place, Suite 101  
San Luis Obispo, CA 93401-7906



Re: Letter of Support for Calera Discharge Application

Dear Mr. Briggs,

I am writing in support of the Calera NPDES permit application now being considered by your office. We are the oldest marine laboratory in the Moss Landing region (second oldest in the Monterey Bay area) and have a long history of productive coexistence with industrial and environmental groups in this area. Calera is both. In our discussions with CEO, Brent Constantz, we understand his goal to produce aragonite precipitated under alkaline conditions from seawater enriched in carbon dioxide and a variety of other mineral phases that can serve to nucleate the precipitation process and increase the rate of flocculation. The process is similar to the production of brucite, long practiced in this area, but the intent of Calera is to develop a concrete product/additive that will significantly reduce, and ultimately eliminate, the carbon footprint associated with the manufacturing of cement. Combined with the stack gas effluent of the neighboring Dynagy power plant, this process promises to sequester millions of tons of carbon. If successful, this process could be deployed to other power plants and has the potential to sequester petagrams of carbon per year. From a climate change and ocean acidification perspective, I cannot stress to you the importance of this outcome. For these reasons we are most excited about Calera's intent to develop and perfect this process in an environmentally friendly manner.

Because the Moss Landing Marine Laboratories operates aquaria, life-support facilities and ocean monitoring instrumentation that rely upon ample supplies of seawater uncontaminated by harmful industrial products, we were initially concerned about the possible co-location of the Calera outfall and the MLML intakes. I have, however, been impressed by Brent Constantz and his engineer's commitment to comprehensive green process control. In addition, I am confident that by working together, your agency, Calera and the numerous marine analytical facilities in the area can develop performance criteria that will address these, or any other substantive water quality concerns.

If you have any other questions about this application or possible impacts to our operations, please feel free to contact me by phone at (831) 771-4406, or by e-mail at [coale@mlml.calstate.edu](mailto:coale@mlml.calstate.edu).

Thank you for your favorable consideration of this application,

Best regards,

Dr. Kenneth Coale, Director  
Moss Landing Marine Laboratories

CC: Dr. Peter von Langen, CRWQCB, Central Coast Region

Item No. 9  
Attachment 3  
March 19-20, 2009 Meeting  
Moss Landing Commercial Park  
Reissue NPDES Permit