

Meeting Minutes  
CCLEAN Steering Committee  
May 5, 2009  
10:00 AM to Noon  
Watsonville Wastewater Treatment Plant

Participants:

Barbara Pierson: City of Watsonville, (831) 768-3179  
Dane Hardin: Applied Marine Sciences, (831) 426-6326  
Akin Babatola: City of Santa Cruz, (831) 420-6045  
Garrett Haertel: Monterey Regional Water Pollution Control Agency, (831) 883-6176  
Mike Higgins: Central Coast Water Board. (805) 542-4649 (speaker phone)  
Karen Worcester: Central Coast Water Board. (805) 549-3333 (speaker phone)  
Ray von Dohren: Carmel Area Wastewater District, (831) 624-1248

**Agenda Items:** We rearranged the agenda items to address those of interest to the Regional Board staff first. The minutes will reflect the agenda item as listed on the agenda.

1) **Review of last meeting minutes:** The minutes from the 4-7-09 meeting were approved, following a motion by Akin and a second by Garrett. Barbara will make a few minor changes, including the addition of our discussion about RFP for CCLEAN consultants. After the changes are made, the minutes will then be posted on the website. The URL for the page on the CCLEAN website where the minutes are posted is:  
[http://www.cclean.org/ftp/Program\\_Documents.html](http://www.cclean.org/ftp/Program_Documents.html)

2) **Financial Update:** The City of Watsonville has received \$459,731 from the member agencies and has spent \$305,861 for CCLEAN in FY 08/09.

The breakdown is:	Applied Marine Science	\$ 87,296
	NewFields	\$ 63,259
	Kinnetic Laboratories (KLI)	\$ 133,264
	Monterey Bay Analytical	\$ 200
	City of Santa Cruz	\$ 92
	City of Watsonville	\$ 1,740
	Administration Fee (7%)	\$ 1,740

All members are current with payments except for Monterey Regional. Garrett said he had approved the payment for the final quarter, so the City should be receiving it soon. We discussed the fact that there is only \$35 left in the PO for Applied Marine Sciences. Dane explained that the cost overrun was due to additional meetings, management of the EDC bioassay project, and data QC. Akin and Garrett asked for a more detailed account of the additional cost. We agreed, with the additional information, we could pay Dane with some of the contingency funds so he didn't have to work for free for the rest of the fiscal year.

3) **Endocrine Disrupting Bioassay Screening:** Bob is working with UC Davis to complete contract arrangements. They decided that instead of doing a consultant contract, a Purchase Order would be sufficient. The City has sent a letter of intent to UC Davis to get

the project started. The Granite Canyon lab has started working on their brood stock of the fathead minnows and is planning to start the study and sampling of the POTW's effluents in July or August of this year. They agreed that the data from the Bioassay study will be owned by CCLEAN until it is submitted to the Regional Board, at which point it becomes public record. The first task of the project is to submit the SOPs for the Bioassay procedures, including the sampling protocol. Dane will talk to Brian Anderson and make sure that the SOP will be submitted in time for him to include in the QAPP. The QAPP is due to Karen on July 1<sup>st</sup>.

- 4) **Election of Officers:** Garrett was elected to be the Chairman of the CCLEAN Steering Committee and Ray (or the representative for the Carmel Wastewater District) was elected to be the Vice-Chair. Barbara will continue to be the Treasurer/Secretary. All members present agreed.
  
- 5) **Dr Kudela's Satellite Data Analysis Proposal:** Dane distributed a proposal from Dr Raphael Kudela to all committee members before the meeting via e-mail. Dane requested this proposal after our discussion at the December meeting that we would like to include in the program an analysis of the effects of nutrients from the wastewater treatment plants. Dr. Kudela would use analysis of satellite images for potential plankton blooms associated with discharges from the wastewater treatment plants to the ocean. Dr Kudela performed similar work for CCLEAN in 2007 analyzing the effects of river discharges. He proposes to do a biennial (2009, 2011, 2013) analysis of the relationship between wastewater discharges and sea surface chlorophyll concentrations. The cost would be \$5,000/year. Provided in the proposal were pictures of examples of SeaWiFS chlorophyll data and an example of a summary graphic showing the zone of impact from the CCLEAN analysis performed in 2007. Ray was concerned that the resolution in the graphics shown in the proposal was not good enough to show impact from individual dischargers. He wants to see pictures with higher resolution. Dane explained that the resolution can be as high as 250 meters/pixel and that the association between discharges and sea surface chlorophyll is determined statistically. Dane will ask Dr Kudela for images with higher resolution. It was generally agreed that this analysis would be a good addition to the CCLEAN program, that Dr. Kudela's proposal is very reasonably priced, and it would be a much more effective way of evaluating the effects of nutrient loading to the bay compared to analyses of 4 grab samples a year that we do when we deploy and retrieve our ambient monitoring buoys.
  
- 6) **CCLEAN Bylaws:** Bob made the changes to the Bylaws that were discussed at the last meeting and he sent the revised document out to all the members. Barbara mentioned that she had made a few additional changes in the final version that Bob had sent. She will check and see if the Bylaws that are on the website are the final version. Final approval of the Bylaws will be done at the next meeting.  
Note: She did check and sent the final version to Dane to post on the "CCLEAN Program Documents"  
It was decided to have a "Discharger's Meeting" to discuss the cost distribution of the CLEAN program and the drafting of a new MOA. Barbara will talk to Bob about setting up the meeting.

- 7) **Report from Meetings:** Garrett reported on a BACWA (Bay Area Clean Water Agencies) meeting that he went to on April 28<sup>th</sup>. The topics of the meeting were Green House Gas Emissions and new regulations from the California Air Board. POTWs with co-generation plants will have to deal with these new regulations. One gem of information he brought from the meeting was the movement of water is the single highest energy demand in the country.  
Dane reported about the CORRT meeting. Garrett also attended the meeting.

8) **Project Update:**

- A) **Effluent Sampling:** The high volume water sampling started between February 23 -27 at all the plants and was completed the last week in March
- B) **Sediment Sampling:** The sediment sampling was done in October.
- C) **Mussel Sampling:** Mussel sampling was done in March
- D) **Offshore Ambient Monitoring:** The buoys were deployed on February 20<sup>th</sup> and were retrieved, April 7th.
- E) **Proposition 50 Grant:** Dane is working with the Santa Cruz County Resource Conservation District to include the Prop 50 project in a package of projects that could be considered by the Santa Cruz County Board of Supervisors for a private placement bond purchase from the State. It is hoped that the Supervisors will consider the purchase at one of their June meetings.

- 9) **Set Date for the next Meeting:** The next meeting was set for Tuesday, July 7, 2009 at the Watsonville WWTP from 10:00 to 12:00.  
Note: At Garrett's request, the meeting date was changed to Monday, July 6, 2009, at the Watsonville WWTP from 10:00 to 12:00.

**Items not on the Agenda:**

- 1) Dane is drafting a comment letter to Mary Adams about the proposed changes to the 303(d) list, which apparently did not include consideration of any CCLEAN data.