

Meeting Minutes

CCLEAN Steering Committee

October 3, 2006

10:00 – 12:00 a.m.

Watsonville Wastewater Treatment Plant

Participants:

Barbara Pierson: City of Watsonville, (831) 768-3179

Dane Hardin: Applied Marine Sciences, (831) 426-6326

Patrice Parsons: Monterey Regional Water Pollution Control Agency, (831) 883-6120

Ray von Dohren: Carmel Area Wastewater District, (831) 624-1248

Akin Babatola: City of Santa Cruz, (831) 420-6045

Karen Worcester: Regional Water Quality Control Board, (805) 549-3333 (speakerphone)

Mike Higgins: Regional Water Quality Control Board, (805) 542-4649 (speakerphone)

Agenda Items:

- 1) **Review of last meeting minutes:** Akin pointed out a few typo's and Barbara corrected them. The minutes from the 8-1-06 meeting was accepted. Dane will post them on the CCLEAN website

- 2) **Financial Update:** The City of Watsonville has collected \$1,446,013 from the member agencies and has spent \$1,762,462

The breakdown is:	Applied Marine Science	\$396,274
	MEC Analytical	\$226,347
	Kinnetic Laboratories (KLI)	\$907,564
	Monterey County	\$ 33870
	Santa Cruz County	\$ 45,400
	Monterey Bay Analytical	\$ 19,915
	City of Santa Cruz	\$ 6,524
	City of Watsonville	\$ 8,655
	Carmel Area Wastewater	\$ 2,613
	Administration Fee (7%)	\$ 113,752

All agencies are up to date with their payments. All payments have been received through fiscal year 2005-2006. We still haven't received any invoices from the County of Santa Cruz for fiscal year 2005-06. KLI will be sending invoices from the last fiscal year. As soon as the budget for this year is finalized bills will be sent out for this year.

- 3) **Annual Report:** Dane has only received comments from Barbara on the annual report. Karen sent hers in hard copy to his PO Box. Dane will look for them. Akin will be sending comments. A deadline was set for the end of next week, October 13th, for any additional comments. The final report will be done by the end of the month.

At the September 7th and 8th RWQCB meeting, an overview of the CCLEAN program was presented to the Board. There wasn't enough time to present all the findings; the focus was on the mussel tissue results and the fact that at the Laguna Creek and the Hook sites the concentration of Dieldrin and other POPs surpassed several alert levels including the 95-percentile of all mussels collected by the state Mussel Watch Program. Regional Board staff will convey this information to the California Office of Environmental Health Hazard Assessment (OEHHA) and the California Department of Health Services (DHS). There was a favorable response from Board members and they are looking forward to a review of the 5-year CCLEAN program at their first meeting after the annual report is due.

The next annual report is due January 31, 2007. It will be a review of the 5-year program and should include an evaluation of the program by Brock Bernstein and recommendations for the future direction of the program. We also want to produce a public document that is more reader-friendly than the CCLEAN annual reports, which can be used to recruit other agencies to participate in CCLEAN as well as presenting the data to stakeholders and decision makers for environmental issues. Dane is going to develop a schedule for all the work that needs to get done before the end of January 2007. He will send the schedule out to all the Steering Committee members. We decided that the brochure should move to the top of the list. Dane will check with SFEI to establish comparability for the proposal received from Annie Muraski.", SFEI produces "The Pulse of the Estuary". We will proceed after this evaluation is done.

Dane has sent out a request for data to all the dischargers. This data needs to be sent to Dane as soon as possible.

4) **Project Update:**

A) Sampling of Rivers and Stream: The cost that BC Laboratories is charging us for the enterococcus and dissolved silica analysis is a little higher than they originally quoted. It is \$35 for the enterococcus and \$20 for the silica. Karen said that the prices they pay have all gone up as well. Barbara will talk to the lab and see if they can send the data electronically to CCAMP and send the hardcopy and invoices to Barbara. That way all the river and stream data can be delivered to Dane in a database compatible format with all the pertinent QC data.

BC Labs is sending the samples for the enterococcus analysis to another laboratory. Barbara will check to make sure that the samples are being analyzed within the required hold time.

The Urea samples that were received last month needed more packing material in them. That way, when the ice melts they wouldn't roll around in the container so much. Karen will pass that information to Mary and Erin.

B) River Sampling: The river samplers are currently in operation. They were started the first week of September and they will be retrieved the first week or two of October, after 200 liters of sample has passed through the filter.

C) Effluent Sampling: This sampling is being done during the same time as the River sampling. Akin did not receive the e-mail on August 18 that notified all the

dischargers that the effluent sampling was to begin the first week of September. He was surprised when KLI showed up at the plant to start the sampler. He was able to get his SPMD (Semi Permeable Membrane Devices) sampling set up within 10 days of the CCLEAN sampling start. There will be a good overlap of the sampling and the results will be compared. The City of Santa Cruz is now using the results from the SPMD sampling to fulfill some of their semiannual Priority Pollutant requirements.

Mike Higgins mentioned that he wants to move in that direction for the other Dischargers, when their permits are renewed, unless there are objections. Akin agreed to share his facility's SOP for the SPMD effluent sampling with the other dischargers.

Dane mentioned that the difference between SPMD sampling and the CCLEAN sampling for persistent organic pollutants is that the SPMD does not include the organic compounds that are in or attached to particulate matter. Akin said that the K_{ow} coefficient (Octanol-water partition Coefficient which measure the affinity of the organic compound to be in the particulate or dissolved phase) could be used to estimate the total concentration of compounds in the particulate phase, because they are subject to Henry's Law..

- D) Sediment Sampling:** Weston Solutions and ABA Consultants will be doing the sediment sampling on the 24th of October
 - E) Mussel Sampling:** KLI will be doing the mussel sampling early this month.
 - F) Offshore Ambient Monitoring:** KLI has deployed the ambient monitoring buoys. The south buoy broke loose. They were able to retrieve it on the beach and re-deploy it to continue the sampling. They will be retrieving the buoys and collecting the water quality samples within the next week or so. Barbara said that KLI has been by to get the sample bottles. The Watsonville lab will do all the analysis except for the dissolved silica, which will be done by MBAS. The orthophosphate and nitrate will be done with the IC (Ion Chromatograph) with pre-filtration that takes out the Chloride. The MDL with this method is 0.01 mg/L for both ions.
 - G) Proposition 13 Grant:** Not all the data analysis is done, but from an overview of the data there seems to be a trend that the otters that died of diseases caused by such organisms as *Toxoplasma gondii* (a protozoan) and Acanthocephalan (thorny-head worm) have higher tissue concentrations of persistent organic pollutants (POP's) than those that died from trauma (the control group). This report is due to the state on March 31, 2007. Dane said he would be able to present some results from this study in the annual report and the brochure.
- 5) **Status of the Prop 50 Grant:** A resolution to accept the Prop 50 grant has been completed and will be presented to the Watsonville City Council on Tuesday, October 10th. Bob Geyer would like the CCLEAN steering committee to accept the grant as well; to make it clear this is a CCLEAN project. Dane said he would draft a letter that we can all sign to accept the grant. There is a kick off meeting for the Prop 50 grant on October 13th in Davis. The different groups that are involved in the grant (California Department of Fish and Game Marine Wildlife Veterinary Care and Research Center, UC Davis, and CCLEAN) will all be represented. Dominic Gregorio from the Water Resource Control Board will be the State's technical

reviewer of the grant. Dane mentioned that Bob Geyer had agreed to not charge the full 7% administration fee for the grant and that he hoped that the project could collaborate with the Watsonville Slough TMDL study. Carmel's discharge to the lagoon may also be able to work into the project.

- 6) **Discuss 2006-07 Scope of Work, Budget and Contracts with Consultants:** Dane handed out a packet that included the proposed CCLEAN budget for 2006/2007 fiscal year, totaling \$556,604 and including:
- Brock's proposal for evaluating the program, with deliverables, and budget (\$10,000);
 - Anne Muraski's proposal for the brochure (\$25,775-\$29,600);
 - KLI's proposal and budget (\$263,656) and
 - Weston's proposal and budget (\$80,790).

The CCLEAN budget was divided into New Management tasks (\$72,854) and existing tasks (\$357,752). The increase from last year was \$154,514. (See attached documents)

It was agreed that we will drop chlorpyrifos and diazinon from the analyte lists and add the fire retardant, PBDEs, as we have rarely gotten a detectable amount of chlorpyrifos and diazinon. The detection limit for these compounds is 0.02 ppb. A question was raised why the meeting budget for AMS went up so much (\$10,341). Dane explained that he is representing CCLEAN at a lot more meetings than he had expected. He has been asked to be on the technical advisory committee for consolidation of water quality monitoring data in the Sanctuary being funded by the Resource Legacy Foundation, he attends the Sanctuary's Water Quality Protection Plan meetings, the Non-point Source Tracking and Management Committee and the Model Monitoring stakeholder meetings. The proposed meeting budget for 2006-2007 reflects the actual effort required in 2005-2006.

Another question was raised about Weston Solutions' management costs. Their Management and Reporting costs include project management, data management and quality assurance and reporting. It was decided that, since they have never been required to attend a CCLEAN meeting, the costs for meetings and travel to meetings should be eliminated. That would bring their budget down to \$76,658. The Scope of Work and budget for this fiscal year of CCLEAN was approved. Dane will make minor adjustments to the budget and E-mail it to the members of the Steering Committee. Such changes could include revisions of the costs for production of the public document and adjustments of each participant's share of the 2006-2007 costs based upon revised annual discharge volumes. All the dischargers will send Dane the annual flow from their plants for 2005 to recalculate the cost allocation. It was agreed that this would be done on an annual basis from now on. As soon as Barbara gets the revised budget and the division of costs between the participants, the first bill of this fiscal year will be sent out to all the CCLEAN agencies.

The contracts for the three consulting firms (Applied Marine Sciences, Kinnetic Laboratories, Inc, and Weston Solutions) need to be extended to cover this year. This can be done with a change order. Barbara will do this as soon as possible.

- 7) **Inter-laboratory Calibration:** We didn't have time to discuss this issue except for the fact that we are dealing with fewer labs now that CCAMP has taken over the River and Stream component of the program. We will discuss this issue via E-mail.
- 8) **Evaluation Proposal from Brock Bernstein:** We agree that having Brock evaluate the program will give the program more credibility. We agreed that the price and the deliverables seemed reasonable. His proposal was approved.
- 9) **Set Date for the next Meeting:** The next meeting was set for Tuesday, December 5, 2006 at the WWTP in Watsonville. The meeting will start at 10:00 am and go until noon.