

Meeting Minutes

CCLEAN Steering Committee

April 27, 2006

10:00 – 12:00 a.m.

Watsonville WWTP

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

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

Roxayne Spruance: Pebble Beach Company, (831) 625-8402

Agenda Items:

- 1) **Review of last meeting minutes**: Barbara made a few minor changes to the minutes from the ones that had been sent to the members before the meeting. The revised minutes were reviewed and accepted. Dane asked that the revised minutes be sent to him via E-mail. Dane will post them on the website.
- 2) **Financial Update**: The City of Watsonville has collected \$1,391,012 from the member agencies and has spent \$1,738,776

The breakdown is:

Applied Marine Science	\$391,540
MEC Analytical	\$226,347
Kinnetic Laboratories (KLI)	\$896,248
Monterey County	\$ 32,598
Santa Cruz County	\$ 45,400
Monterey Bay Analytical	\$ 17,470
City of Santa Cruz	\$ 6,524
City of Watsonville	\$ 6,285
Carmel Area Wastewater	\$ 2,613
Administration Fee (7%)	\$ 113,752

All agencies are up to date with their payments. Bills for the cost over run for the 5-year CCLEAN program have been sent out. They are as follows: City of Santa Cruz - \$20,000, Watsonville - \$15,500, Monterey Regional- \$13,500, Carmel - \$4,000, and Duke Energy- \$15,000. The City has received the \$15,000 from Duke Energy. This bill was sent earlier than the others, before Duke transferred the ownership of the Moss Landing Power Plant to the new owners.

Marty Stevenson from KLI has discussed with Dane the possibility of a change in their scope of work to cover part of their budget overrun that is in excess of the approved \$9,000. No specifics have been discussed regarding how their scope would

be revised, but Dane will pursue this discussion with Marty. Barbara will check to see if we need to do a change order for a \$ 9,000 increase in KLI's contract. It may be a small enough percent of the total budget that a change order is not necessary. (Note: A change order does need to be completed for MEC. No money will be paid over the purchase order amount by the City's Finance Department.)

Annual Report: The 4th annual report is close to completion. It should be done by May. Dane has received revised nitrate results from the County of Monterey with the detection limit down to 0.2 mg/L. The original results had a detection limit of 1 mg/L nitrates as nitrogen.

Mussel Watch and National Status and Trends data from 1977 to 2003 will be included in the annual report. There has been no change in the concentration of DDT and Dieldrin in the tissue of mussel collected at Lovers Point over a 30-year period.

Raphael Kudela of UC Santa Cruz has reviewed the report section on the effects of stream and river discharges on nearshore chlorophyll concentrations. This analysis was based on satellite data and the CCLEAN monthly nutrient data. There seems to be a correlation between the nutrients coming from Pajaro River with higher concentrations of chlorophyll. Dane asked Dr. Kudela what it would cost for him to do a complete statistical analysis of the data to determine locations in the bay affected by nutrient discharges from rivers and streams and time lag after the discharge for the effect to occur. He said he could do it for \$1850. We all agreed that it was a reasonable price and we should do it. Dr Kudela is very happy that we are doing urea analysis. He has discovered that the dinoflagellate *Pseudonitzschia* produces more domoic acid when it utilizes urea as its nitrogen source.

3) **Project Update:**

- A) County sampling of Rivers and Creeks:** The only sample that Monterey County is doing is the Tembladero Slough sample since the beginning of the year, and Kristy Meyer from the Elkhorn Slough Foundation is collecting that sample. Barbara started picking up the samples from Kristy in April. She sent the orthophosphate sample to Carmel, and the dissolved silica sample to Monterey Bay Analytical. The Watsonville Lab did the rest of the analyses. Dane will talk to Mary about having her collect the samples for CCLEAN at the missing Monterey County sites: Salinas River @ Davis Rd., Carmel River @ Garland Park and @ Highway 1, and Big Sur River @ Andrew Molera. The only analyses that CCAMP doesn't do already are Urea, dissolved silica and Enterococcus. Those samples could be sent to MBA or the Watsonville Lab.(Note: Monterey County did collect samples at the above mentioned site in June)
- B) River Sampling:** The wet weather sampling was done between Feb 23 and March 23. Everything went fine. The dry weather river sampling will be done in July, assuming continuation of the program. The samplers collect for persistent organic pollutants (POP's) and there are weekly grab samples for TSS, nutrients

and Total, Fecal coliform and Enterococcus

- C) **Effluent Sampling:** The effluent sampling was and will be done at the same time as the river sampling.
 - D) **Sediment Sampling:** Dane has received the result for the re-analyzed sediment samples electronically and will receive a CD and hard copy in the next couple of weeks.
 - E) **Mussel Sampling:** The wet weather mussel sampling was done March 27th
 - F) **Offshore Ambient Monitoring:** KLI retrieved the offshore ambient monitoring buoys on the 24th of March. One of the buoys broke loose and they found it on the beach. All the data was recovered and it seems like it broke loose after the samples were collected for POP's. Grab samples were collected from the site where the buoys were deployed. The Watsonville Lab did the bacteriological (Colilert and Enterolert), the TSS, ammonia, Urea, and nitrate analyses. The City of Santa Cruz did the orthophosphate analysis and the dissolve silica samples were sent to Monterey Bay Analytical.
 - G) **Proposition 13 Grant:** The grant period of performance will be extended to June 2007 to allow for delivery of the report 90 days before the end of the grant, as now required by the State. Our group has started to analyze the data comparing the cause of death of the otters to the concentration of POP's in their tissue. The cause of death has been divided into 5 categories: Trauma, Trauma and Disease, Protozoan Disease, Bacterial Disease, Parasitic worm disease. They are looking at different age groups. The younger otters have Dieldrin concentrations as high as 18 ppb. Older otters have lower concentrations. This suggests that the mother otters dump the contaminants to their off springs during lactation.
- 4) **Prop 50 Proposal:** We have been invited to submit our Full Proposal to the Ocean Protection Project pool. The deadline is May 9, 2006. If we don't get funded in that pool we can re-submit to the Coastal Non-point Source pool. Dane will be done with the scope of work and the budget by the end of the week. He will have it reviewed by State Board staff to ensure that it is grant-ready.
- 5) **Planning Process for the next round of the CCLEAN Program:** We decided that we will extend the existing MOU for one year and continue the existing program. We need to develop a scope of work and budget for next year. We will ask Brock Bernstein to review the program. We will also pursue grant funding to develop a program that could incorporate our objectives with storm water objectives to draw municipalities and other agencies dealing with storm water into the CCLEAN Program. Karen mentioned that a future component to the Ag monitoring program is to monitor down stream and into the bay. CCLEAN may be able to collect money from the farmers and do that component of Ag monitoring program for them.
- 6) **Dane's meeting with Roger Briggs:** Dane met with Roger Briggs, Michael Thomas, Harvey Packard and Karen Worcester of the Regional Board Staff on March 16, 2006. They discussed the status and future of CCLEAN. Dane will give a presentation at the Board meeting on September 8th summarizing the findings of the CCLEAN program. Since all the analysis and a review of the CCLEAN program will

not be available at the September meeting the dischargers are directed to continue the existing program until the analysis and review of the CCLEAN program is available for the Board to take action on. A letter describing the results of the meeting will be sent to all the dischargers.

- 7) **Set Date for the next Meeting:** The meeting was set for Friday, June 23,2006, at 10:00 am, at the Watsonville WWTP. It was subsequently changed to Tuesday June 27, 2006.