Meeting Minutes

CCLEAN Steering Committee
March 17, 2004
10:00 – 11:30 a.m.
Watsonville WWTP

Participants:
Barbara Pierson: City of Watsonville (831) 728-6124
Dane Hardin: Applied Marine Sciences (831) 426-6326
John Popper: Monterey Regional Water Pollution Control Agency (831) 883-6121
Ray Vondohren: Carmel Area Wastewater District (831) 624-1248
Karen Worcester: Regional Water Quality Control Board, Speaker Phone (805) 549-3333
Akin Babatola: City of Santa Cruz (831) 420-6045

Agenda Items:

1) Review of last meeting minutes: The last meeting's minutes were accepted.

2) Financial Update: The cost of the Program to date is $734,637

The breakdown is:		
	Applied Marine Science	$202,601
	MEC Analytical	$111,945
	Kinnetic Laboratories (KLI)	$322,742
	Monterey County	$ 17,820
	Santa Cruz County	$ 20,200
	Monterey Bay Analytical	$ 8,600
	City of Santa Cruz	$ 1,248
	City of Watsonville	$ 1,420
	Administration Fee (7%)	$ 48,060

As the CCLEAN lead agency, the City of Watsonville has collected a total of $779,986 from the member agencies. All agencies are up to date on their payments except for the bill for the contingency fee that was subtracted from last year's bill. We have received the contingency fee from Monterey Regional. We are expecting some big invoices from Kinnetic Laboratories.

3) Change Order for KLI to add offshore Sample Buoys: A change Order has been written for KLI's contract to add the deployment and retrieval of two sample buoys that will sample over a month period of time for POPs. Nutrients, solids, and bacteriological samples will be collected in duplicate when the buoys are deployed and retrieved. The member agency labs will analyze these samples. Watsonville Lab will do the Urea, Ammonia, TSS samples. The Santa Cruz lab will do the Total and Fecal Coliform, Enterococcus,(by membrane filtration) and Orthophosphate analyses. Monterey Bay Analytical Services will do the nitrate and dissolved silica samples. The Watsonville Lab also will do Total Coliform, E. coli, and Enterococcus with Colilert and Enterolert

reagents to compare the methods. The change order has been signed by KLI's CEO and by Barbara and has been sent to David Koch (Director of Public Works and Utilities) and the Director of the Finance department. As soon as the signed copies are returned to Barbara she will send a copy to KLI.

4) Annual Report: With a suggestion from Brian Anderson, Dane has decided to normalize the offshore sediment chemistry data with the TOC results. The result is a much more pronounce correlation between DDT concentrations and the density of a polycheate worm, *Cossura pygodactylata*. The sediment section of the annual report will be done by the end of this week or the beginning of next week. Dane is waiting for wastewater data from Akin and results from Axys Laboratories. He should be receiving that data within a week. He realized that Monterey Bay Analytical Services reports Urea as Nitrogen and Barbara reports it as Urea. He has to convert the data so the urea loading will be quite different from the last annual report. This year's report should be completed by the middle of April.

5) Website: Dave Paradies will come up and meet with Dane next Tuesday at 10:00 to work on the website. Dane will send Dave the PowerPoint presentation that he used to make the poster that he presented at the Sanctuary's "Currents" event. Dave thinks that some of the pictures on the poster would be good for the website

6) Project Update

A) **County sampling of Rivers and Creeks:** Akin asked Barbara to send him and Jon Popper the ammonia results from the river and creek sampling. In December staff gauges were put up at several of the Santa Cruz County sampling locations and at Tembladero Slough. The county staff will read these gauges when they collect the samples. The Regional Board has contracted with Tetra Tech to model stream flow from the different watersheds in Region 3. Karen is not sure when this data will be available. She will let us know. Dane has talked to the UC Berkeley Graduate Class that is going to do flow modeling in our area for their class project.

B) **River Sampling:** The River sampling was done mid- February to mid March. We had some fair-sized storms during that period and had some problems with the equipment. The samplers sucked in gravel. With the Salinas River sampler, the sample hose popped off and we don't know exactly how much sample was pumped over the resin beads that collect the persistent organic pollutants. We decided to analyze the filter anyway because we can get a range of the concentration. KLI would like to modify the samplers so the sample tube is floating near the surface and not on the bottom.

C) **Effluent Sampling:** The 4 plant effluents were sampled during the same time interval as the river sampling.

D) **Sediment Sampling:** Sediment sampling was done in October and the replicate samples were added.

E) **Mussel Sampling:** The wet weather Mussel sampling were also done in February. The dry weather mussel samples from 2003 and the sediment results should be in by May

F) **Offshore Ambient Monitoring:** KLI deployed two monitoring buoys on February 20, 2004. Duplicate samples from each location were collected for Total and Fecal Coliform, Enterococcus, TSS, Ammonia, Nitrate, Urea, Dissolved silica, and Orthophosphate. The Watsonville Lab did the Bacteria (using Colilert and Enterolert), TSS, ammonia and Urea analyses; the Santa Cruz Lab. did the orthophosphate analysis, and Monterey Bay Analytical Services did the dissolved silica and nitrate analyses. When the buoys are retrieved, the same samples will be collected and analyzed by the before mentioned labs, with the addition of the Santa Cruz lab doing the total and fecal coliform and enterococcus analysis using the membrane filtration method.

G) **Proposition 13 Grant:** The Prop13 money will be administered as a grant instead of a contract. This means it should be easier. Less detail is needed in the scope of work and the money may be distributed up front. Dane has a conference call scheduled for tomorrow to get more details

5) Set date for next meeting: The next meeting was set for Wednesday, May 19, 2004, 10:00 to 12:00 noon at Watsonville WWTP.

Additional Items Discussed: Barbara ran into Professor Toby Garfield from San Francisco State University and the Romberg Tiburon Center for Environmental Studies. He is involved in CI-CORE (Center for Integrated Coastal Observation, Research and Education). This group comprised of mostly California State Universities (SJSU, MLML, SFSU, HSU, Cal Poly @SLO) and Florida Environmental Research Institution. Toby encouraged CCLEAN to get involved with CI-CORE. He indicated that there might be a source of funds and at least collaboration in monitoring efforts. Karen mentioned that she was on the technical advisory committee of CI-CORE and that Ken Coale of Moss Landing Marine Laboratories was the head administrator of the program on the central coast. The website is http://cicore.mlml.calstate.edu .

Dane has been approached by another organization and encouraged to get CCLEAN involved. Stephanie Watson, Coordinator of the Central California Ocean Observing System (CenCOOS), which is part of the OceanUS program, would like CCLEAN to participate in their coordinating activities. Dane expressed interest in having CCLEAN coordinate with other regional programs, but cautioned that the cost of attending meetings and coordinating needs to be considered.

Akin said that he had just met with Mike Higgins, the new engineer from the Regional Board Staff that will over see Santa Cruz and Watsonville's NPDES permits. Mike was interested in adding TOC to the effluent monitoring. Jon said that he had heard that Santa Barbara WWTP had replaced BOD monitoring with TOC monitoring when Mike was working down there. All lab personnel present agreed that they would gladly discontinue BOD monitoring.