

Meeting Minutes

CCLEAN Steering Committee

July 24, 2003

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

Lee Genz: Duke Energy (831) 633-6785

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

Agenda Items:

1) **Review of last meeting minutes:** The last meeting's minutes were accepted. John mentioned that the detection limit for orthophosphate in his lab is 1.0 mg/L

2) **Financial Update:** The cost of the Program to date is \$534,183.

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| The breakdown is: | Applied Marine Science | \$154,747 |
| | MEC Analytical | \$ 99,258 |
| | Kinnetic Laboratories (KLI) | \$ 217,643 |
| | Monterey County | \$ 13,938 |
| | Santa Cruz County | \$ 8,400 |
| | Monterey Bay Analytical | \$ 5,250 |
| | Administration Fee (7%) | \$ 34,947 |

As the CCLEAN lead agency the City of Watsonville has collected a total of \$550,338 from the member agencies. The Program is 28% below budget for the first 2 years of sampling. The first bills for the fiscal year 2003/04 have been sent out. The 20% sampling contingency was subtracted from each of the bills since costs have been below budget.

3) **Issues that need to be discussed:**

A) **Website:** The CCLEAN website is up and running (www.cclean.org). Dave Paradies has developed the framework of the site on his server. We need to move it over to a server paid for by CCLEAN. All comment and information we want to add to the website should be addressed to Dave. His phone number is (805) 528-0221

B) **Ammonia and Orthophosphate Analysis of River and Creek samples:** We discussed who would do the ammonia and phosphate analysis for the creek and river samples collected by the counties (16 sample). Barbara said the Watsonville

City Lab. could do the ammonia analysis with a detection limit of 0.02 mg/L ammonia-N using an ion select electrode. Akin said the Santa Cruz Lab. could do the orthophosphate analysis, using EPA method 365.2, for the Santa Cruz County samples (10 sample), with a detection limit of 0.01 mg/L orthophosphate-P. Dane is going to talk to Hank Matz of the Carmel laboratory to see if he can analyze the Monterey County samples for orthophosphate and find out the detection limit and the method he will use. We decided that each laboratory would bill CCLEAN for their services. We will decide on a price and it will be consistent between the laboratories.

- C) Protozoan analysis of Mussels:** Karen will find out how much it would cost to have the people at UC Davis do protozoan analysis on the mussel samples.
- D) Distribution of Annual Report:** Dane has sent the annual report to the Regional Board; Mike Foster, a professor at Moss Landing Marine Laboratories who initially recommended a regional monitoring program after reading historical review of the dischargers receiving water monitoring programs; and Chris Coburn of the Monterey Bay National Marine Sanctuary. Karen said that several people on the Regional Board staff had read the report and most comments were favorable. One recommendation was to add a glossary of acronyms. Dane said he would like to add a list of people that contributed time and energy to the program. He plans to post the Annual Report on the web site. Barbara pointed out a couple more typos and suggested that monthly rainfall amounts could be added to off shore bacteria data graphs (overlaying the bar graphs with a line graph using a second y-axis).
- E) Renewal of the county P.O.'s:** We need to renew the P.O.s with the counties for the sampling and analysis of the creeks and rivers. Dane mentioned that we should add duplicates and splits to the monthly samples (5% of the samples duplicated and 5% split). Dane will talk to the counties' laboratories about setting up contracts and P.O.s for 2 to 3 year periods instead of yearly.
- F) RFP for sampling near shore water for POPs:** Dane e-mailed a draft RFP to the steering committee members a few days prior to the meeting. Akin suggested adding language indicating that all data was property of CCLEAN and to ask that the response include the methods they plan to use for each analysis. Barbara was a little uncomfortable about sending a Request for Proposal to just one consultant (KLI). She was going to check with Bob Geyer about that.
Note: Bob suggested that we change the RFP to a "Request for a Price Quotation" and make it a "change order" to Kinnetics' existing contract. A change order can increase the cost of a contract up to 20% with the City Manager's signature, with out having to go to council.

4) Update on Program Status:

- A) County sampling of Rivers and Creeks:** Dane is working on estimating the flow of the creeks that do not have USGS gauging stations on them. Mary! (Adams) will help in modeling the creeks to get estimated flow. He said that permanent flow gauges on the creek would be too expensive to install. Karen suggested that with a staff gauge and a hand held flow meter you could make a height to flow curve. If the county employees could note the height of the river from the staff

gauge when they take the samples, flow rates could be estimated from the curve. She also suggested that Dane contact Kate Goodnight from the Integrated Watershed Planning Group. She is involved in a watershed-monitoring program in Santa Cruz County with the Coastal Conservancy. Her phone # is (831) 429-1776, and her e-mail is kgoodnight@scc.ca.gov. They are also working a flow rates. Akin said he might be able to get Hydro-Lab equipment from the City of San Jose for cheap or at no cost because they have discontinued a program where they were estimating flow rates into the Bay. He also said he was working with someone on a project involving the Leary Lagoon that might be helpful in estimating flows. Dane, Karen, Mary and maybe Akin will meet to work on this. They will set up the meeting via E-mail.

- B) River Sampling:** River sampling is under way right now. The 4 rivers have composite samplers running the same time as the Effluent samplers. They were started around the 15th of July. There were some initial problems with flow compositing, but they have been worked out. Dane passed out graphs showing the readings from the nitrate probes during the last river sampling. The probes indicate a large diurnal fluctuation of the nitrate levels. The readings have an upward trend in the concentrations of nitrate that were not confirmed by the weekly grabs that were analyzed in the lab. When the NO₃⁻ values were corrected the trend lines were closer to the lab values, but with some discrepancies. The probes will have to be replaced every year and the question is (with the questionable data) whether it is worth the expense. Akin would like a copy of the spreadsheet with the data to see if he can work out a better correction factor. We decided to evaluate the next set of data before making a decision of whether to go to just weekly grabs analyzed in the lab or continue using the probes.
- C) Effluent Sampling:** Effluent sampling is also happening right now. Each discharger is doing addition analysis of the effluent while the samplers are running. Ray informed us that the Carmel discharge pipe has a hole inshore of the diffusers. They are collecting and analyzing beach samples for bacteria until the hole is fixed. He will send that data to Dane.
- D) Sediment Sampling:** Sediment sampling is scheduled for September. Dane is still waiting for the chemistry results from the last sampling.
- E) Mussel Sampling:** Mussel sampling will be done as soon as the River and Effluent sampling is completed, around mid August. They will try, one more time, to gain access to the Carmel Highlands location (Wild Cat Cove).
- F) Proposition 13 Grant:** The scope of work is almost done. When we receive money from the state it will be \$80,000 to \$90,000 over a 3-year period. There are a few things that have to be worked out. The administrative cost cannot be a percentage of the grant, so Dane will be work with Bob and the Finance Department to figure out hours and hourly rate. Also, the Program director has to be an employee of the agency receiving the grant. Since CCLEAN is administered by the City of Watsonville, Barbara or Bob might have to be the Program Director, in name only.

5) Set date for next meeting: The next meeting was set for Tuesday, September 23, 2003 10:00 to 12:00 noon at Watsonville WWTP.

