

Meeting Minutes

CCLEAN Steering Committee

February 20, 2007

9:00 – 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

Greg Antosz: Monterey Regional Water Pollution Control Agency, (831) 883-1118

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)

Chris Harrold: Monterey Bay Aquarium, (831) 648-4934 (Observer)

Jim Oakden: ABA Consultants, (831) 479-0277 (Observer)

Thomas Quattlebaum: Pebble Beach Company, (831) 625-8402 (Observer)

Heidi Burch: City of Carmel-by-the-Sea, (831) 620-2006 (Observer)

Craig Barney: Stanford University (Hopkins Marine Station), (831) 725-7529 (Observer)

Agenda Items:

1) **Review of last meeting minutes**: The minutes from the 12-11-06 meeting were accepted. Dane will post them on the CCLEAN website. Akin reminded Karen that she was going to send him information about Colilert not detecting E-coli 0157.

2) **Financial Update**: The City of Watsonville has collected \$1,476,122.80 from the member agencies and has spent \$2,064,870

The breakdown is:	Applied Marine Science	\$456,950
	Weston Solutions	\$299,970
	Kinnetic Laboratories (KLI)	\$1,050,942
	Monterey County	\$ 34,665
	Santa Cruz County	\$ 45,400
	Monterey Bay Analytical	\$ 20,715
	City of Santa Cruz	\$ 6,524
	City of Watsonville	\$ 8,655
	Carmel Area Wastewater	\$ 2,982
	BC Laboratories	\$ 2,982
	Administration Fee (7%)	\$135,085

The first invoices for the 2006-07 fiscal year have been sent out. The City has not received payments from the City of Santa Cruz and Monterey Regional. Akin will check with his Finance department to see that a check will be sent. Greg said that Monterey Regional is withholding payment until the Dischargers have a meeting to discuss the direction that CCLEAN is going. The second invoices have been sent out without the cost of the outreach document or the administration fee. A third invoice

will have to be sent with the additional cost.

We decided that CCLEAN's financial spreadsheets should be included on the website with the minutes of each meeting. The Consultants contracts for AMS, KLI, and Weston Solutions have been amended with the additional year of monitoring. A contract with AMS to administer the prop 50 grant was approved by the City Council and PO's have been drawn up for UC Davis' and AMS' work on the Prop 50 grant.

- 3) **Annual Report and Outreach Document:** Dane sent a link to all Steering Committee members to the draft annual report for 2005-2006. Members had downloaded the document and had comments and corrections. We discussed the possibility of having a password protected page on our website so that these editing comments could be done over the Internet. Dane will look into it. Karen and Barbara would like the document in "Word" because of software availability.

There was a question raised about the security of the data that is collected by CCLEAN. Karen said that all the data is put in the SWAMP database, which is publicly available. It was mentioned that putting monitoring data into SWAMP is an arduous task.

Dane is still working on the Synthesis section of the report where he will discuss the whole 5-year program. We agreed that the executive summary and the introduction should include more information about the important findings over the first 5 years of the program. The summary should emphasize the following (among other facts):

1. Measurements have been made on many pollutants that indicate that POTWs (Publicly Owned Treatment Works) are not the sole contributors of many of the pollutants found in the bay and that the dischargers shouldn't be responsible for the CCLEAN program alone. And
2. Measurements of many of other compelling pollutants have not yet been addressed, even though they are best addressed in a regional monitoring program.

Dane will develop a timetable of when components of the annual report will be finished and a deadline for comments. He hopes to finish the synthesis section this week. Other components that will be completed soon include Brook Bernstein's review and Raphe Kudela's analysis of correlations between river flows and satellite data of suspended sediments and chlorophyll concentrations in the Monterey Bay. Additional comments will be developed when the Dischargers meet.

We discussed whether up-coming changes in the treatment process of treatment plants should be included in the report. For example, Carmel will be doing nutrient removal at their plant with in the next year. There was discussion regarding the core focus of CCLEAN as a POTW effluents focus group, or whether focusing on the regional habitat helps POTWs as well as the citizen rate-payers in a cost-effective and scientifically prudent way. It appears that the issues of definition will be reviewed at the 'Dischargers only' meeting, and this may influence the future direction of CCLEAN.

Other comments on the report include the following:

Page 2, third bullet: Watsonville did not exceed the Enterococcus limit in 2005-2006

Page 14 Section 3.1.1.4 Recommendations: Discuss the high equipment blank, Synchronized SPMD sampling at all the plants.

Page 17- No units on the data in Table 3.1.7. It was suggested the future reports should include all the nutrient data collected by the treatment plants.

Monterey Regional objects to CCLEAN being asked to recruit members. The Outreach document has been put on hold until the Dischargers have their meeting.

4) Procedure for Bringing in New Members to CCLEAN:

It was suggested that it would be less expensive for the municipalities to work in conjunction with CCLEAN on a stormwater monitoring program than to develop their own individual programs. Overhead would be lower because the administration of the CCLEAN program has already been set up. Grant funding is more available to CCLEAN, because the water board favors regional projects. This is evident by CCLEAN's success in obtaining two grants, a Prop 13 grant and a Prop 50 grant. The ambient monitoring of the bay, which is an important component of any monitoring program, is already in place.

We agreed that we should have a joint meeting with CCLEAN and the ASBS stormwater dischargers. Karen, Ray, Dane and Craig agreed to help organize the meeting. Dominic Gregorio should attend, as well. It also was suggested that CCLEAN should contact the Integrated Regional Water Management group to investigate possible state grants funds to help incorporate ASBS stormwater dischargers into CCLEAN. Larry Hampson is the contact for this group. The agency representatives who were in attendance because they discharge stormwater into "Areas of Special Biological Significance" (ASBS) and they received letters from the Regional Board encouraging their participation in CCLEAN indicated that they would be interested in joining CCLEAN only if it would fulfill their monitoring requirements.

5) Project Update:

- A) Sampling of Rivers and Streams:** CCAMP has taken over the monthly River and Stream sample collection and analyses for pathogen indicators, TSS, and nutrients. The City of Watsonville is still doing the Urea analysis.
- B) River Sampling:** The wet weather river samplers for POP (Persistent Organic Pollutants) were started on February 14, 2007 and will continue for a month.
- C) Effluent Sampling:** The effluent POP samplers run during the same time period as the river samplers.
- D) Sediment Sampling:** Weston Solutions and ABA Consultants did the sediment sampling on the 24th of October 2006.
- E) Mussel Sampling:** KLI will be doing the Mussel sampling this month.
- F) Offshore Ambient Monitoring:** The buoys with the POP samplers were deployed on February 1st and will be retrieved on March 7, 2007.
- G) Proposition 13 Grant:** A draft report will be submitted in March 2007. We analyzed the tissue of dead sea otters found between 1998 and 2005. The cause of death of the otters was compared to the concentration of POPs in their tissue.

Fish and Game biologists performed complete necropsies when the otters were collected. The data are being analyzed to see if there is a correlation between tissue loading of POPs in the otters and the otters' deaths caused by diseases.

F) Proposition 50 Grant: The second meeting of Prop 50 grant "Monitoring and Mitigation to Address Fecal Pathogen Pollution along the California Coast" will take place on February 28th. Sampling will begin in April.

7) Report From Meetings:

A) Dane will be attending a meeting with Dominic Gregorio, and Ken Schiff of SCCWRP, on February 27th. They will be discussing reference sites for ASBS storm water monitoring programs.

B) Akin attended the WEF Mid-Year Meetings in San Diego, from February 7 –10. He reviewed proposals for presentations on "Compounds of Emerging Concern." For WEFTEC 07.

The importance of the cumulative effects of these compounds, resulting in the observations was reviewed and emphasized.

Horizontal genetic transfer of genetic material from bacteria (within biosolids and POTWs) was also discussed.

8) Set Date for the next Meeting: The next meeting was set for Tuesday, April 3, 2007 at the WWTP in Watsonville. The meeting will start at 9:00 am and go until noon.