

# Meeting Minutes

## CCLEAN Steering Committee

April 3, 2007

9:00 – 12:00 a.m.

### Watsonville Wastewater Treatment Plant

#### Participants:

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

Bob Geyer: City of Watsonville, (831) 768-3149

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

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

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

Lee Genz: Moss Landing Power Plant, (831) 6336785

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

Matt Keeling: Regional Water Quality Control Board, (805) 549-3685 (Speakerphone)

Heidi Niggemeyer: Monterey Bay Aquarium, (831) 297-3478 (Observer)

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

#### Agenda Items:

1) **Review of last meeting minutes:** The minutes from the 2-20-07 meeting were accepted. Dane will post them on the CCLEAN website.

2) **Financial Update:** The City of Watsonville has collected \$1,595,129 from the member agencies over the past 6 years and has spent \$2,426,175

The breakdown is:	Applied Marine Science	\$549,350
	Weston Solutions	\$319,412
	Kinnetic Laboratories (KLI)	\$1,264,606
	Monterey County	\$ 34,665
	Santa Cruz County	\$ 45,400
	Monterey Bay Analytical	\$ 20,815
	City of Santa Cruz	\$ 6,524
	City of Watsonville	\$ 12,635
	Carmel Area Wastewater	\$ 2,982
	BC Laboratories	\$ 3,565
	Brock Bernstein	\$ 7,500
	Administration Fee (7%)	\$158,722

The “Money-Received” spreadsheet has been updated since the meeting. The City has received the 2 payments from Carmel and the Moss Landing Power Plant for the fiscal year 2006-07 and 1 payment from the City of Santa Cruz. We have not received any payments from Monterey Regional for the 2006-07 fiscal year. These payments (1 from Santa Cruz and 2 from MRWPCA) should be sent as soon as possible.

A few invoices have also been added to the “Money Paid” spreadsheet since the meeting. The invoices paid from the new PO’s for Applied Marine Sciences and

Kinnetic Laboratories were not included in the print outs that were handed out at the meeting.

We discussed the renewal of the CCLEAN domain name with Redshift. To renew for 5 years, the cost is \$76. We decided that we do want to renew the domain name, but Dane is going to check if we can upgrade the site to be more interactive and to add FTP (File Transfer Protocol).

- 3) **Annual Report and Brock Bernstein's Review:** Dane has received comments on the annual report from most of the CCLEAN participants, but we have not commented on the latest update that Dane has posted. The problem is that when we edit the file, we are instructed to download it on to our computer and send it by e-mail. Our servers cannot handle such a large document. Bob offered to send everyone the information so that we can use the City of Watsonville's FTP to edit the annual report. Dane mentioned that after a few people edit the report it gets very difficult to read. He will have to accept the changes periodically so that everyone can read the report. We agreed that the synthesis of the 5-year program, or the finding, should go in the front of the report instead of at the end. There should be the executive Summary, then the Synthesis, then the introduction, and the rest of the report. Karen suggested that instead of bullets, the findings should be more narrative, and tell the story of what we have learned.

Dane would like all comments on the annual report in by the end of the month, so he can complete the report. Greg feels that this is too soon and that a thorough review of the program needs to be done. Monterey Regional may have their own consultant review CCLEAN to give suggestions of where the program should go from here. Carmel's NPDES permit is due for renewal in July. They do not want the CCLEAN program in their permit, rigidly defined, as it is now. They have requested that their permit renewal be moved to the same time as Monterey Regional's renewal, which is in December, so that the CCLEAN issue can be resolved before they renew their permit. (Note: At this point we called Matt Keeling, permit-writer for MRWPCA and Carmel, of the Region Board to participate in the meeting via speakerphone).

Matt informed us that he had talked to his supervisor and he thinks it will be possible to move Carmel's permit renewal to December. He suggested that it would be good if all the permits of the CCLEAN agencies could be renewed at the same time. Akin has issue with this since Santa Cruz is only two years into its 5-year permit. Bob said that Watsonville would be willing to move their permit renewal up from May 2008 to coincide with other dischargers. Karen mentioned that CCLEAN program was originally added to the dischargers' permits by executive order and changes in the permit do not have to coincide exactly with the permit renewal.

Ideally, at the Regional Board meeting in December when the Carmel and MRWPCA permits are renewed, Dane would present the findings of the CCLEAN 5-year program. To meet this schedule, the annual report has to be completed by July 13 so the staff reports can be done and be available for public review by August 8<sup>th</sup>. Matt said that the permit could include a requirement that the dischargers participate in CCLEAN without defining the exact components of the monitoring program. Greg expressed concern that this would be viewed as backsliding, or requiring less

monitoring of the dischargers. Matt said that the CCLEAN program is above and beyond what is required of the dischargers, so that if the agency participate in CCLEAN that would fulfill their receiving water monitoring.

Greg suggested that monitoring be suspended until the CCLEAN program has been redesigned. With the dischargers working on recycling their wastewater and not discharging it to the bay, he suggested it is hard to justify to their respective boards and councils the cost of the CCLEAN program. Other agencies need to get involved. We agreed that effluent monitoring would be continued and we could coordinate the CCLEAN effluent monitoring with the plants semi annual sampling so this effort is not duplicated. Other ideas were discussed, including development of a scaled back CCLEAN that included at least the pathogen indicators that each plant does along the 30 ft. depth contours. There may be other funding available to continue the river monitoring. Such a scaled back program could continue until the program can be redesigned to include other agencies besides just the wastewater dischargers.

We discussed Brock Bernstein's Evaluation of CCLEAN. Brock's first suggestion was to standardize data acquisition and management. Dane agrees with this. Applied Marine Sciences spends a lot of time transferring data from the different labs and consultants. Barbara mentioned that she could put the data that the City of Watsonville's lab generates on a spreadsheet just as easily as the reports she is producing now. Karen said the Gary Connelly from the Sanctuary has developed a template for the Ag monitoring program that could be used for CCLEAN. Matt asked if the date entry could coordinate with CIWQS (California Integrated Water Quality System). There were several comments that CIWQS was too rigidly formatted. Akin has been experiencing problems entering data for Santa Cruz WWTP's effluent that is sampled over a 30-day period. The system displays an error message if a single date is not entered. Matt said that the format could be edited to fix this problem.

We decided that going over each of Brock recommendations individually, would be too time consuming so we discussed the evaluation in general. We generally agreed that he had done a good job. He listed CCLEAN's accomplishments and area for improvement. He reviewed the program's objectives and to what extent each of them was accomplished. He then described 5 different scenarios for the future of CCLEAN. The first scenario is to terminate the program. The program has successfully characterized the relative magnitude of the major discharges to the Bay of an important suite of contaminants. The other 4 scenarios involve a shift of focus to impacts of the discharges within the bay, the status of beneficial uses within the Bay, the specific causes of the discharges' impacts, and source tracking and the effects on the Bay of source reduction. He states that these 4 last scenarios would more readily be accomplished with a broader base of program participation and funding. He listed 5 regional monitoring programs in California that we could use as models for the CCLEAN program. They are:

- CalCOFI Program
- Regional Monitoring Program (RMP) for Trace Substances in San Francisco Bay

- CenCOOS Ocean Observing Systems
- Southern California Bight Program
- San Gabriel River Monitoring Program

Dane mentioned that one of the Figures was mislabeled.

- 4) **Online Editing Services:** Dane had sent out a list of online editing services that he had researched to all committee members. These services include document sharing, so a large document can be editing online, and Web based meetings. He listed 7 different services with their respective costs and features. There was a disagreement between Akin and Dane on some feature of the “Adobe Connect Professional” service. The question also was raised regarding whether these services were appropriate for CCLEAN. Bob said that the City of Watsonville would split the cost with City of Santa Cruz if Akin sends him the details by E-mail.
- 5) **Project Update:**
- A) **Sampling of Rivers and Streams:** CCAMP is continuing to do this sampling on a monthly basis
- B) **River Sampling:** The wet weather river sampling for POP (Persistent Organic Pollutants) was completed in March.
- 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 24<sup>th</sup> of October 2006.
- E) **Mussel Sampling:** KLI did the Mussel sampling in March.
- F) **Offshore Ambient Monitoring:** The buoys with the POP samplers were deployed on February 1<sup>st</sup> and will be retrieved on March 7, 2007.
- G) **Proposition 13 Grant:** The draft report was due on March 31, 2007. Dane says it is almost ready. He will be submitting it to Karen in the next week or two. The City of Watsonville needs to extend the contract with Applied Marine Sciences to administer this grant
- F) **Proposition 50 Grant:** Next Monday they will start sampling the monthly surface water sample points. They will be sampling the influent and effluent of the 4 treatment plants quarterly. When Dane asked about sampling at the plants Barbara explained that each of the plants has influent and effluent refrigerated composite sampler that can collect the samples or grab samples can be collected. Dane asked Akin if he could get test samples from the Santa Cruz Plant so they can determine dilutions facts that they will do for the bacterial and other pathogen analyses. Akin agreed.
- 7) **Report From Meetings:**
- A) **Discharger’s Meeting:** Representatives of the City of Watsonville, the City of Santa Cruz, Carmel Wastewater District, MRWPCA, and the Moss Landing Power Plant met on March 23<sup>rd</sup>. We discussed how the CCLEAN program was originally started. That all of us had either hoped it would have develop into more of a Regional program, with more participants, at this point, or that the program

would have accomplish it's objectives and been ended. We discuss whether flow was the best criterion to use in calculating the funding of the program from each of the agencies. It was suggested that CCLEAN 2 should be developed with new participants, new objectives, and a new MOU. Moss Landing Power plant is being asked to do an extensive study of the Moss Landing Harbor. If they are required to do this they will not continue their participation in CCLEAN. The Dischargers will have another meeting in April.

- B)** Barbara attended the Sanctuary Currents 2007: Observing Systems for a Healthy Ocean Symposium on March 3, 2007. The Monterey Bay National Marine Sanctuary, AMBAG, CSUMB, Monterey Bay Aquarium, MBARI, Hopkins Marine Station, Asilomar Conference Grounds, Canary Row Co., Cities of Monterey, Pacific Grove, Sand City, Santa Cruz and Seaside sponsored this event. Several presentations were made about new observation systems that have been developed to monitor the ocean. From real time satellite images to monitoring devices that are glued onto marine mammals, and from real time surface current mapping with high frequency wave transmissions and retrieval, to autonomous underwater vehicles (AUVs) that drift, glide, interact with each other, and respond to human input for adaptive sampling, there is a tremendous amount of research going on in the Monterey Bay. Many of the people doing the presentations are affiliated with CeNCOOS, which CCLEAN just joined. It seems like the technical component of these monitoring systems are being developed without specific projects of what to monitor. CCLEAN could help guide CeNCOOS in providing data and analytical tools that would be relevant and helpful to resource managers. Dr. Raphael Kudela did a presentation about the monitoring of harmful algal blooms. He was instrumental in adding urea analysis to the CCLEAN program and did work for CCLEAN in correlating satellite images of algal blooms to nutrient loadings in the Bay.
- C)** Dane met with Dominic Gregorio from SWRCB, Rusty Fairey from SWAMP, and Ken Schiff from SCCWRP to discuss the monitoring protocol for ASBS storm water dischargers on February 27<sup>th</sup>. It is likely that ASBS stormwater monitoring will begin in a phased manner, first involving only stormwater and receiving water (just outside the wave zone) sampling at each discharger's largest stormwater culvert. Analyses would include Ocean Plan Table B constituents and toxicity. Inclusion of biological monitoring would be considered in future years. The State Board has accepted responsibility for monitoring stormwater reference sites in each region. Dane is developing a "strawman" monitoring program that will be acceptable to the State Board for discussion at a meeting with ASBS agencies, the Regional Board and Dominic Gregorio in May or June. Caltrans is willing to be involved in this monitoring program.
- 8) Set Date for the next Meeting:** The next meeting was set for Tuesday, May 8, 2007 at the WWTP in Watsonville. This meeting will be a workshop to discuss the objectives for a redesigned CCLEAN program. This will be either an interim

program until we can get more participants or to pursue grant or other funding to alleviate the financial burden on the POTWs. The time will be 10:00 am to 2:00 pm. Lunch will be provided.

**Items not on the Agenda:**

Lee asked Karen about the Agricultural Monitoring Program. Karen explained that the farmers set-up a non-profit organization that spends approximately 1.5 million dollars a year on the monitoring. There are 50 monitoring sites in drainage ditches in the Pajaro and Salinas Valleys. They do 4 toxicity tests at each site and if toxicity is found they do follow up chemical analyses or TIE (toxicity identification evaluation). Most of the toxicity has been associated with OP pesticides and Pyrethroids in the sediment. They do not analyze for legacy pesticides. The program is going into its second year.

**Note:** At the meeting we skipped around on the agenda. I have presented the information in the order of the agenda.