

# Meeting Minutes

## CCLEAN Steering Committee

August 5, 2008

10:00 – 12:00

## Moss Landing Power Plant

### Participants:

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

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

Ray von Dohren: Carmel Area Wastewater District, (831) 624-1248

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

Garrett Haertel: Monterey Region Water Pollution Control Agency, (831) 883-6176

Karen Worcester: Central Coast Water Board. (805) 549-3333

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

Mike Higgins: RWQCB (805) 542-4649

Lee Genz: Moss Landing Power Plant, (831) 633-6785

Heidi Burch: City of Carmel

### Agenda Items:

1) **Review of last meeting minutes:** The minutes from the 07-01-08 meeting were approved as amended. Garrett moved to accept the minutes and Lee seconded the motion. All present approved the minutes from the last meeting. They will be posted on the website. The financial summary will also be posted on the website.

2) **Financial Update:** In the fiscal year 07/08 the City of Watsonville has collected \$281,655 from the member agencies and has spent \$303,344

The breakdown is:	Applied Marine Science	\$107,726
	Weston Solutions	\$ 20,000
	Kinnetic Laboratories (KLI)	\$153,362
	Monterey Bay Analytical	\$ 200
	City of Watsonville	\$ 1960
	Administration Fee (7%)	\$ 19,845

All the CCLEAN agencies are current on their payments and additional invoices are coming in.

3) **Annual Report:** The annual report for 2006-07 will be an abbreviated version. It will include a description of CLEAN monitoring activities performed in the 2006-07 project year. The resulting data from the monitoring will be submitted to the Regional Board, but the technical content of the report will focus only on the results of the PBDE monitoring of the rivers, the WWTP effluents, monitoring of ambient Bay water from the buoys, sediment, and mussel tissue. PBDE's are fire retardants that are used in furniture, clothes, and other household items. The use of the octa and penta isomers has been banned in California this year. Dane had some preliminary graphs of the PBDE results that compare the loading from the rivers and the WWTP effluents. Unlike most of the other

Persistent Organic Pollutants (POP), more PBDEs come from the treatment plants than the rivers. There was a discussion of whether loadings are the best way to present the data. Since historically that is the way CCLEAN has presented the data, there was support for maintaining that consistency in our data presentation. Dane will have a draft of the 2006-07 annual report for the steering committee to review by the end of next week.

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4) **Member Entity Voting Structure:** This item was tabled until the next meeting. We ran out of time.

5) **Report from Meetings:**

A) Dane met with the ASBS dischargers and presented 3 scenarios for a Monitoring Program. The first adheres to the draft Special Protections monitoring program that is awaiting approval by the California State Water Resource Control Board. It utilizes the Sanctuary's First Flush program and adds 25 additional discharge points.

Biennial receiving water monitoring would be performed at 7 sites and include water sampling before and after a storm, and one-time sampling of benthic communities and bioaccumulation. Scenario 2 is similar to Scenario 1, except that fewer large discharges are sampled, in exchange for collecting flow-proportioned samples for a full suite of persistent organic pollutants, which would allow calculations of contaminant loads to the ocean. Scenario 3 is the same as Scenario 2, except effort that was devoted to sampling receiving water at two ASBS sites has been redirected to regional elements of the CCLEAN program. There is a considerable savings for both the ASBS dischargers and CCLEAN members with Scenario 3. It would also make great strides towards developing CCLEAN into a fully cohesive regional monitoring program. As the Special Protections have not been considered by the State Water Resource Control Board, it was suggested to Dane by State Board staff that they should not be used as the basis for a monitoring program. The ASBS dischargers felt that scenario 3 was their preferred option, but some felt they should wait for the approval of the final Special Protections monitoring plan and then try to marshal support for the preferred Scenario 3. Dane feels that the group should continue to work closely with Dominic to provide a program that satisfies everybody's needs. We decided that we should go as a group, both CCLEAN members and ASBS dischargers, to Sacramento to negotiate for our preferred monitoring plan before the Special Protection monitoring program is approved by the State Water Resource Control Board.

B) Akin reported from the CWIQS meetings. They have been working on the business rules. Violation reports will be subject to reviews similar to the USEPA process before they are posted for public consumption.

C) Barbara reported from the Dischargers' meeting that was held July 16<sup>th</sup>. A lot of the meeting was devoted to giving newer representatives a history of how CCLEAN started. It was explained that the flow rate that is used to calculate how much each member pays is the average of the 5 previous years and is recalculated each year. Those things that are done year to year need to be re-evaluated on an annual basis. We decided that we are willing to fund some of Dane's lobbying efforts with the State Water Resource Control Board to make a regional program that includes both

ASBS dischargers and CCLEAN members. We tentatively approved \$4000 from the 07/08 contingency fund to this effort. We also agreed that we need to renew Applied Marine Sciences' Contract and that the contract would include language that CCLEAN members would be informed of any meeting that Dane presents CCLEAN data and any interaction or meetings he has with the Regional Board and it's staff concerning CCLEAN. Bob will e-mail the existing contract to all members, it will be edited, and agendized for approval at the next meeting.

- 6) **QAPP:** Dane submitted the QAPP to the Regional Board on July 15<sup>th</sup>. Karen has reviewed it and sent it on to the SWAMP review contractor. She said that the laboratories may need to provide SOP's for the analytical work that they do for CCLEAN. She will send the SWAMP evaluation of the QAPP to us when she receives it.
- 7) **Applied Marine Sciences Scope of Work and Contract:** We will do this by E-mail
- 8) **Implementmation of 2008-09 monitoring program:** This agenda item was moved to the top of the agenda to accommodate Mike Higgins' schedule. The high volume water sampling (HVWS) of the effluents at each of the plants will be done in August. We decided that the Watsonville influent will be sampled with 24 hour composites this year and next year it will be done with the HVWS. We discussed the endocrine disrupting screening study.

Dane has talked to 2 local bioassay laboratories about this study and the group at Granite Canyon has offered to do a static renewal bioassay at a much lower price than the other lab. The study would follow the procedure of "USEPA 2002A Short-term Method for Assessing Reproductive and Developmental Toxicity of EDC for Fathead Minnows" with the exception of using daily replacement of the effluent as opposed to a true flow-through system. The end points would be secondary sexual characteristic, fecundity, nest guarding behavior, hatching success, weight, and vitellogenin presence in the blood serum. Akin said that there is published information in the technical literature and unpublished information to indicate that static bioassays would likely produce confounding results. We decided to have a technical review of the issue. To this end, Dane was tasked to set up a workshop to include Gary Ankley from the EPA, Brian Anderson of Granite Canyon, and possibly others to discuss the Endocrine Disruption Screening Study.

Dane will set up the meeting for the week of August 19<sup>th</sup>. Dane will send us a budget for the fiscal year 08/09 so that the first quarter bills can be sent out.

- 8) **Project Update:**
  - A) **Effluent Sampling:** The dry weather sampling will be done in August.
  - B) **Sediment Sampling:** The next sediment sampling will be done in October 2008
  - C) **Mussel Sampling:** Mussel sampling will be done during the wet season.
  - D) **Offshore Ambient Monitoring:** The next sampling with the offshore buoys will be done during the same time as the dry weather sampling of the effluents
  - E) **Proposition 50 Grant:** Dane has applied for a no cost extension for this grant and it has been approved
- 9) **Set Date for the next Meeting:** The next meeting was set for Monday, September 8<sup>th</sup>, at the Carmel WWTP. There will be a tour of the Plant and the new MF/RO (Membrane Filtration/ Reverse Osmosis) system at 1:00 and the meeting will start at 2:00.