

# Meeting Minutes

## CCLEAN Steering Committee

January 18, 2008

2:00 – 4:00 p.m.

### Watsonville Wastewater Treatment 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

Patrice Parsons: Monterey Region Water Pollution Control Agency, (831) 883-6120

Greg Antoz: Monterey Region Water Pollution Control Agency, (831) 883-1118

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

Mike Higgins: Central Coast Water Board. (805) 542-4649 (Speaker Phone)

Matt Keeling: Central Coast Water Board, (805) 549-3685 (Speaker Phone)

Heidi Burch: City of Carmel, (831) 620-2006

Thomas Quattlebaum, Pebble Beach Co. (831) 625-8402

#### Agenda Items:

1) **Review of last meeting minutes:** The minutes from the 12-20-07 meeting were approved. They will be posted on the website.

2) **Financial Update:** The City of Watsonville has collected \$1,830,722 from the member agencies during the first 6 years and has spent \$2,505,534

The breakdown is:	Applied Marine Science	\$601,895
	Weston Solutions	\$376,628
	Kinnetic Laboratories (KLI)	\$1,221,394
	Monterey County	\$ 34,665
	Santa Cruz County	\$ 45,400
	Monterey Bay Analytical	\$ 21,015
	City of Santa Cruz	\$ 6,524
	City of Watsonville	\$ 14,715
	Carmel Area Wastewater	\$ 3,098
	BC Laboratories	\$ 6287
	Brock Bernstein	\$ 10,000
	Administration Fee (7%)	\$163,913

We are closing the books for the first 6 years of the CCLEAN program. As mentioned above, the first 6 years of CCLEAN has cost \$2,505,534. The budget that was developed in 2001 for the first 5 years was \$1,899,570. With changes in the program in 2005/06 FY (i.e., the addition of duplicate sediment samples, modifications of the river sampler) \$52,500 was added. The sixth year budget was \$554,579. These budgetary figures added up come to \$2,506,649. The difference between the budget and the cost is \$1,115. This

difference will be subtracted from the next budget. Carmel paid 5.3% of the cost, MRWPCA paid 22.6%, the Power Plant in Moss Landing paid 9.7%, Santa Cruz paid 35.2%, and Watsonville paid 26.9%. These percentages are very close to the flow proportions in the original MOA (Exhibit "B"). Dane agreed to provide Barbara with the breakdown in Applied Marine Sciences' costs between project years.

- 3) **Comments on MRWPCA's and Carmel's draft Permits:** The renewal of Carmel's and Monterey Regional's permits will be presented at the March 21<sup>st</sup> Regional Water Quality Control Board meeting, which will be held in Salinas. Revisions to the Watsonville and Santa Cruz's permits will also be presented at the March meeting. Mike Higgins would like to add the high volume water sampling (HVWS), testing for Polybrominated biphenyl Ethers (PBDEs) and Perfluorinated compounds (PFC's) to all the dischargers' permits. He requested that CCLEAN produce a Technical Document that would compare the two HVWS techniques (SPMD and SPE) and a recommendation of which one to use for compliance sampling of the respective plant effluents. He would like all dischargers to use the same method. There may be some constituents that do not need the high volume sampling method because they are routinely detected in a grab or 24 hour composite sample (ie metals). Which constituent should be sample with the HVWS and which should be sample with the conventional methods would also be described in the Technical Document. This document would be due on July 1, 2008.

There was also a discussion of adding a semiannual bioassay for endocrine disrupting compounds in the effluents. This would be a flow through system that could be moved from one plant to the other. The end point for the bioassay organisms would be feminization. The idea is to see if there is an effect from estrogen mimicking compounds. Monterey Regional would prefer to have this component of the effluent monitoring be part of CCLEAN and not be delineated specifically in their NPDES permit.

Patrice brought in some information about E-screen Assays. E-screen is a cell culture based assay in which cells from a breast cancer cell line are exposed to a sample. Because this cell line proliferates in response to estrogens, samples that cause proliferation would contain estrogenic compounds. The cost of this assay is between \$250 and \$375 for each sample.

- 4) **Budgetary Information about the proposed additions to effluent monitoring** Dane distributed a spreadsheet with projected budget for the next 5 years of CCLEAN to all steering Committee members. Ray asked him to add a column of the 07/08 budget for comparison, and an explanation of why the cost changes, if it does. Included in the Effluent sampling (POPs) line item are separate analyses of the extract from the particle filter and from the resin beads. That is, a separate result for each analyte in the dissolved phase and the particulate phase. There was a general consensus that this would not be necessary to compare the 2 HVWS techniques. Dane is still working on the cost of the Bioassay of the effluent.

5) **Report from Meetings.**

A) **CIWQS Meeting:** Akin has been attending CIWQS monthly meeting. CIWQS is California Integrated Water Quality System. It is a project in which all dischargers with NPDES permits can enter their water quality monitoring data on line. The original program has been out for about a year, but there have been a lot of problems, so these meeting are to revise CIWQS to make it more flexible and user friendly. The next meeting will be on February 18<sup>th</sup>.

B) **SAM Meeting:** This morning Karen and Dane attended a SAM (Synthesis Analysis Management). This is a group that is working to bring together monitoring data from diverse group in the area and make it available for environmental management decisions. The Resource Legacy Fund Foundation funds it. One conclusion of the meeting was that implementation of BMP's have to be tracked better so that water quality data can show if they are working or not.

6) **Additional Discussion of ASBS dischargers' participation in CCLEAN:** We decided that this agenda item for future meetings should be moved up right after the review of last meeting minutes. Then the ASBS folks don't have to sit through all the other discussions. One of the issues that the Municipalities have with joining CCLEAN is that they have to go through a bid process to hire a consultant. We explained that with the exception of Applied Marine Science, CCLEAN did put out a "Request for Proposals" when we first hired the consultants that do the monitoring work for CCLEAN. Dane said he would try to get an ASBS monitoring proposal done for their meeting on Thursday.

7) **Project Update:**

A) **River Sampling:** This will just be the Pajaro and San Lorenzo Rivers. The cost will be covered by Watsonville and Santa Cruz respectively. They will be sampled during the same time period as the Effluent sampling.

B) **Effluent Sampling:** The wet weather sampling will occur in February and March of 2008

D) **Sediment Sampling:** Dane was offered sea time for CCLEAN on the Sanctuary's boat, "The Fulmar". A graduate student of Don Weston will go out and collect sediment sample to analyze for pyrethroids.

E) **Mussel Sampling:** Mussel sampling will be done during the wet season.

F) **Offshore Ambient Monitoring:** The wet weather sampling will be done in February and March of 2008. Dane has arranged boat time on the Fulmar for deployment of the ambient buoys for February 8<sup>th</sup> and retrieval on March 17<sup>th</sup>. (note: the Fulmar was not used for deploying the buoys because it does not have the equipment aboard for the task)

G) **Proposition 50 Grant:** We just completed the Quarterly sampling at the Treatment Plants. The stream and river water samples are collected on a monthly basis. Dane will provide data from this program when they are available.

8) **NORMAN: Network of reference laboratories, research centers and related**

**organizations for monitoring of emerging environmental substances:** Akin would like CCLEAN to consider joining NORMAN. He sent us an e-mail describing this organization prior to the meeting. The website is [www.norman-network.net](http://www.norman-network.net)

- 9) **Set Date for the next Meeting:** The next meeting was set for Tuesday, February 26, 2008 at the WWTP in Watsonville. Note: This was changed to March 4, from 10 -12 At the WWTP in Watsonville.