

Meeting Minutes
CCLEAN Steering Committee
January 28, 2009
2:00 to 4:00 PM
Watsonville Municipal Service Center

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 (speaker phone)
Garrett Haertel: Monterey Region Water Pollution Control Agency, (831) 883-6176
Mike Higgins: Central Coast Water Board. (805) 542-4649
Bob Geyer: City of Watsonville, (831) 768-3149
Lee Genz: Moss Landing Dynegy, Inc, (831)633-6785
Sam Bose: Moss Landing Cement Company (831) 633-3203

Agenda Items:

- 1) **Introductions:** Sam Bose was a new attendee of a CCLEAN Meeting. He is the Operations Director of the Moss Landing Cement Company. The company is located across Dolan Rd from the Power Plant at the Moss Landing Industrial Park. They plan to produce “Green Cement” in a process that will bubble the flue gas from the Power Plant into seawater. The waste CO₂ from the flue gas will combine with the calcium, magnesium, and hydroxide in the seawater and form mineral carbonates. After drying, these compounds are used to produce the green cement. Testing on this new cement has shown it to be as strong as the conventional “Portland Cement” but instead of producing 1 ton of CO₂ for every ton of Portland cement produced, the green cement process reduces CO₂ emissions. There is an existing seawater intake and outfall at the Moss Landing Industrial Park that was originally used by Kaiser Aluminum refractory and then by National Refractory. The Moss Landing Cement Company will be going before the Regional Board on March 20, 2009 to re-establish the NPDES permit for the seawater outfall. Their permit writer has recommended that the company participate in CCLEAN. The steering committee encouraged Mr. Bose’s participation in CCLEAN. Sam asked if we had a description of CCLEAN that includes the benefits of participation. Dane said that he had written such a document and in later discussion we talked about including it in the CCLEAN Bylaws.
- 2) **Review of last meeting minutes:** The minutes from the 12-9-08 meeting were approved as amended. Lee moved to approve the minutes and Garrett second the motion. All present approved the minutes from the last meeting. They will be posted on the website. The URL for the page on the CCLEAN website where the minutes are posted is: http://www.cclean.org/ftp/Program_Documents.html
- 3) **Report from Meetings:**
This agenda item was skipped for more pressing matters

- 4) **Financial Update:** The City of Watsonville has collected \$281,655 from the member agencies during the 07/08 fiscal year and has spent \$335,141

The breakdown is:

Applied Marine Science	\$110,559
NewFields	\$ 20,000
Kinnetic Laboratories (KLI)	\$177,952
Monterey Bay Analytical	\$ 600
City of Santa Cruz	\$ 765
City of Watsonville	\$ 3,340
Administration Fee (7%)	\$ 21,925

We spent less money than was budgeted in the Fiscal year 07/08. The surplus was \$13,721.65. Each agency will receive a credit on the first quarter of the 08/09 billing in proportion to the percentage they paid of the 07/08 budget. The amounts are as follows:

Dynegy	\$ 1,310.42
Carmel	\$ 732.74
Monterey	\$ 4,094.54
Watsonville	\$ 3,173.82
Santa Cruz	\$ 4,410.14

This adjustment was approved by the committee.

- 5) **CCLEAN Bylaws:** Bob handed out the first draft of the CCLEAN Bylaws. He had highlighted areas he wanted to discuss. We went through the bylaws. Some of the comments were:
- a) Include the advantages of joining CCLEAN in the Recitals (Article 1)
 - b) Use “Central Coast Water Board” instead of CRWQCB
 - c) In Article 4: Officer, compare Election Term of Office with the minute from the meeting at MRWPCA where we discussed that issue. (Barbara will send Bob those minutes) There is redundancy in the Executive Committee description 4.01 and 4.06
 - d) Add a new Article to describe how new members are added. Have sub-categories for agencies with NPDES permits, stormwater permits, and agencies that are complying with other regulations.
 - e) In Article 7: Invoices will be posted on the website for member’s review, but approval by the whole committee will not be necessary. Invoices will be approved by the Program Director and the Secretary/ Treasurer
 - f) Article 8.06 Dissolution will be deleted. CCLEAN doesn’t own anything.
 - g) We discussed the website. It was suggested that instead of using FTP software to view document it would be nice if we could view them in a password protected area of the website. Dane doesn’t know how to set this up. Garrett thinks that someone at MRWPCA could show Dane how to do it.
 - h) Everyone agreed to review the Bylaws and get comments back to Bob before the next meeting. Bob will make changes and send out the 2nd draft to everyone via e-mail.
- 6) **Annual Report:** There were a few more comments for the 07/08 annual report. Dane is going to add a table defining the Persistent Organic Pollutants (POPs). He will list the different congeners of the PBDEs, the PCBs, DDTs, and the Dioxins and Furans. He will define the stakeholders in the recommendation to find funding to re-implement the river sampling. It was suggested that the figures and the narratives should go together for each

of the plants even if more white space has to be added. The annual report will be submitted to the Regional Board on Monday February 2, 2009.

- 7) **Endocrine Disrupting Bioassay Screening:** Barbara received a responds from Brian Anderson to our letter requesting clarification. The letter will be attached to these minutes. We agreed that CCLEAN will contract with Marine Pollution Studies Laboratory at Granite Canyon to do an endocrine disrupting bioassay screening study. Mike clarified that after 1 year of screening we will re-evaluate and decide what to do next. The description in the QAPP makes it sound like we will continue the screening after the first year. We will change this in the QAPP when we update it in July. We will start the study in the dry season, August 2009.

We discussed whether we should change the cost distribution since CCLEAN is doing more work on the individual plants effluents. The amount Carmel is paying doesn't cover the cost of the analysis that is being done on the Carmel's plant's effluent which includes the semiannual Bioassay Screening and the POP sampling. The committee asked Barbara to ask Brian Anderson how much it would cost to add or subtract a sample in each batch. Ray said that Carmel cannot afford to pay more.

i) **Project Update:**

- A) **Effluent Sampling:** The wet weather sampling will be done in February and March of 2009
- B) **Sediment Sampling:** The sediment sampling was done in October.
- C) **Mussel Sampling:** Mussel sampling will be done during the wet season.
- D) **Offshore Ambient Monitoring:** The buoys will be deployed in February the same time as that the effluent samplers are set-up.
- E) **Proposition 50 Grant:** The grant funding for the Coastal Pathogens Study has been frozen from the state. Dane and Bob wrote a letter to UC Davis informing them that the City cannot pay anymore invoice until these funds become available. The City has already paid over \$100,000 for this project that they haven't been reimbursed by the State.

- j) **Set Date for the next Meeting:** The next meeting was set for Tuesday, March 3rd at the Watsonville WWTP from 10:00 to 12:00. Barbara will attempt to send an Outlook Appoint to members for the next meeting.