

**CENTRAL COAST LONG-TERM ENVIRONMENTAL ASSESSMENT NETWORK
(CCLEAN) Steering Committee**

Meeting Minutes

August 26th, 2026, 2:00 pm

Via Teleconference Zoom Webinar

The meeting was called to order on August 26th, 2026, at approximately 2:06 pm by Jennie Munster. Roll call and introductions were completed for the voting committee members and regular participants signed on to Zoom. A quorum was present.

Participants - Voting Members: Present:

Jennie Munster, Laboratory Manager and Environmental Compliance Manager: City of Santa Cruz

Patrick Treanor, District Engineer: CAWD

Mohammed Serageldin, Laboratory Manager: CAWD

Connie Machuca, Laboratory Manager: City of Watsonville

Jeremy Long, Wastewater Division Manager: City of Scotts Valley

Olivia Woolery, Laboratory Supervisor: Monterey One Water (M1W)

Voting Members: Absent:

Anne Hogan, Wastewater System Manager: City of Santa Cruz

Dave Martin, Environmental Compliance Inspector: City of Santa Cruz

Mike Crane, Water Quality Chemist: City of Watsonville

Jose Guzman, Operations Manager: Monterey One Water

Sarah Stevens, Environmental and Regulatory Compliance Supervisor: Monterey One Water

Laura Dale, EH&S Manager: Vistra Corp. (Moss Landing Power Plant)

Participants - Non-Voting Members and Guests: Present

Aroon Melwani, Senior Scientist, Central Coast Managing Principal Partner: Applied Marine Sciences (AMS)

Sarah Crable, Water Resource Control Engineer: Central Coast Water Board (attending for Sarah Bragg-Flavan)

Non-Voting Members: Absent

Dane Hardin, Senior Marine Scientist, Principal: Applied Marine Sciences

Sarah Bragg-Flavan, Water Resource Control Engineer: Central Coast Water Board

Mary Hamilton, Environmental Program Manager: Central Coast Water Board

Cameron Kostigen Mumper, Associate Manager - Water Resources: Soquel Creek Water District

Virtual Public Attendees: None identified

1. APPEARANCES / PUBLIC COMMENTS:

No public appearances or public comments were made.

2. AGENDA CHANGES:

Item C, CASA/ROMS-BEC Discussion with Martha Sutula, was removed from the meeting because Dr. Sutula was not in attendance and had indicated that she wanted to provide additional material for review before returning to the Committee. The remaining agenda proceeded in order.

3. AGENDA ITEMS:

A. Introductions

Discussion: The Committee completed introductions during roll call. Sarah Crable of the Central Coast Water Board introduced herself as attending in place of Sarah Bragg-Flavan.
Decision: A quorum of voting agencies was present.
Action Item: None.

B. Chair's Report, by Santa Cruz Representative

Discussion: Jennie Munster reported that Martha Sutula would not be attending the meeting and was expected to return at a later meeting after providing additional ROMS-BEC materials for review. Olivia Woolery reported that she had contacted Dr. Sutula regarding a Monterey One Water facility tour and would follow up. Jennie invited Committee members to the City of Santa Cruz Annual Pollution Prevention Awards Dinner, co-hosted with CWEA, scheduled for September 17 at the Back Nine Grill at Pasatiempo Golf Course, with continuing education credits available. Jennie also reported that Santa Cruz had hired a QA/QC Chemist, expected to start near the end of September, and that the new employee is coming from the Los Angeles County Sanitation Districts.
Decision: No formal action was taken.
Action Item: Olivia Woolery will follow up with Martha Sutula regarding a Monterey One Water facility tour. Jennie Munster will introduce the new Santa Cruz QA/QC Chemist at a future CCLEAN meeting.

C. CASA/ROMS-BEC Discussion with Martha Sutula

Discussion: This item was removed from the agenda because Martha Sutula was not available and wanted to provide additional materials for review before the next discussion.
Decision: No discussion or action occurred.

Action Item:

Return the CASA/ROMS-BEC item to a future agenda when materials and Dr. Sutula are available.

D. Review of Prior Meeting Minutes, Report by CAWD**Discussion:**

Patrick Treanor reviewed the July 22, 2026 meeting minutes, summarizing the prior discussion of Soquel Creek membership, the ongoing neonicotinoid side-by-side work, CCLEAN data compilation for Martha Sutula, Water Board permit timing, QAPP status, BACWA laboratory updates, Tri-State Conference discussion, and financials. No revisions were requested.

Decision:

Olivia Woolery moved to approve the July 22, 2026 minutes. Jeremy Long and Connie Machuca both indicated a second. The minutes were approved unanimously.

Action Item:

Finalize the July 22, 2026 meeting minutes as approved.

E. Lead Agency Remarks, Report by CAWD**Discussion:**

Patrick Treanor reported that he attended part of the WaterReuse conference in San Francisco. He noted that the conference focused heavily on direct potable reuse and included discussions of low-molecular-weight contaminants that can pass through reverse osmosis and the use of biological activated carbon. Patrick also noted that he and other participants attended Monterey One Water's facility tour associated with its Large Plant of the Year recognition.

Decision:

No formal action was taken.

Action Item:

None.

F. Program Director's Report, Report by Applied Marine Sciences**Discussion:**

Aroon Melwani reported that AMS completed a compilation of the CCLEAN effluent, river, and ocean nutrient time-series data for Martha Sutula. A first draft was shared, and AMS is incorporating comments from Jennie Munster regarding format, qualifiers, and several corrected data points before sending an updated version.

For dry-season monitoring, AMS is coordinating setup for POP sampling and expects sampling to begin shortly. The Pajaro River site is being re-established for renewed river POP monitoring. Jennie requested more advance notice from Integral Consulting before field crews arrive at facilities; Aroon agreed to request improved notice. Sediment sampling is planned in the coming weeks.

Aroon discussed laboratory changes related to PHYSIS and its ELAP certification status. WEC

has provided updated costs and can perform the water analyses, including the LC-MS methods for neonicotinoids. Options for sediment and tissue matrices are more limited; AMS is exploring Eurofins and other alternatives while PHYSIS remains a possible backup for those matrices if necessary.

AMS is also continuing development of the certified reference material (CRM) study discussed previously. A source in Colorado appears able to provide sufficiently low concentrations for the study. AMS expects the cost to remain under approximately \$5,000 and will provide a formal scope and budget once the CRM concentration range is finalized.

Finally, Aroon reviewed the new receiving-water nutrient and TSS monitoring that will replace portions of the former ocean-buoy TSS/FIB work. Santa Cruz, Monterey One Water, and Watsonville will collect the receiving-water samples at their existing FIB stations, generally within the same sampling month/window. AMS can coordinate laboratory delivery. Jennie proposed an email chain among the three agencies to coordinate timing.

Decision:

No expenditure for the CRM study was approved at this meeting. The Committee supported continued development of the proposal and continued implementation of the approved monitoring-plan changes.

Action Item:

AMS will finalize the updated nutrient-data compilation for Martha Sutula; request better advance notice from Integral; continue evaluating laboratories for sediment and tissue CEC analyses; prepare a formal CRM study scope and budget; and coordinate receiving-water sample delivery. Jennie Munster will initiate an email with Santa Cruz, Monterey One Water, and Watsonville to coordinate receiving-water nutrient/TSS sampling.

G. CCLEAN Topics or Questions for Water Board Staff

Discussion:

No substantive questions were raised for Sarah Crable. Jennie Munster noted that Sarah Bragg-Flavan had recently visited the Santa Cruz facility, toured the Headworks project, and joined staff for ocean sampling.

Decision:

No formal action was taken.

Action Item:

None.

H. Water Board's Report, Report by Central Coast Water Board

Discussion:

Sarah Crable reported that the Monterey One Water/Cal-Am permit was still in its public-comment period, with comments due August 31, and was expected to be presented to the Regional Water Board in December. Jennie Munster asked about the location of Regional Board meetings after learning that Santa Cruz council chambers had been reserved for a future meeting. Sarah explained that Board meetings are held throughout the region and are often located near the

communities affected by the permit or agenda item. The specific December meeting location was not confirmed. Sarah offered to connect Jennie with the assistant to the executive officers who coordinates meeting logistics.

Decision:

No formal action was taken.

Action Item:

None

I. General Announcements

Discussion:

Olivia Woolery reiterated that the Monterey One Water/Cal-Am permit was in public review and that Monterey One Water was preparing comments, with a December hearing anticipated. The Committee briefly discussed the relationship between concentration-based and load-based effluent limits, including how Monterey One Water applies different dilution calculations depending on the proportion of RO concentrate and secondary effluent discharged and how Santa Cruz tracks both concentration and mass loading for certain constituents.

Jennie Munster requested that the Pure Water Soquel membership and CCLEAN MOA topics be returned to the September agenda. She stated that the City of Santa Cruz intends to vote that Pure Water Soquel should not become a separate CCLEAN member and instead plans to address the arrangement separately. The Committee agreed to revisit whether any MOA changes are still necessary.

Connie Machuca announced that the City of Watsonville Utilities Laboratory is recruiting for a Water Quality Chemist position and developing a list for a future Water Quality Technician vacancy.

Decision:

No formal action was taken on the permit or staffing announcements. The Committee agreed to return the Pure Water Soquel membership and MOA topics to the next agenda for discussion and potential action.

Action Item:

Patrick Treanor will place Pure Water Soquel membership and CCLEAN MOA revisions back on the September agenda. Committee members should be prepared to discuss those items.

J. Financial Report, Report by CAWD

Discussion:

Patrick Treanor reviewed the Quarter 1 financial report. The report showed approximately \$373,000 in ending cash, although additional prior-program-year costs remain outstanding. Aroon Melwani confirmed that AMS has not yet submitted its final invoice for the prior program year. Patrick noted that agencies should have received Quarter 1 invoices. Olivia Woolery stated that Monterey One Water's purchase order for the July invoice was expected to be approved by its Board at the end of the month. She also noted that an April invoice appeared as issued in Monterey One Water's system even though CAWD records showed it outstanding. Patrick agreed

to follow up on the discrepancy.

Decision:

No concerns were raised regarding the financial report.

Action Item:

AMS will submit its remaining prior-program-year invoice when final costs are available. Patrick Treanor will follow up on the outstanding Monterey One Water invoice/payment records.

4. ADJOURNMENT:

Olivia Woolery moved to adjourn the meeting, and Patrick Treanor seconded the motion. The meeting was adjourned at approximately 2:37 pm. The next regular CCLEAN Committee Meeting is scheduled for *September 23rd, 2026 at 2 PM*.