

**Meeting Notes for
Regional Monitoring Workgroup
April 14, 2005
Encinitas City Hall
505 S. Vulcan Avenue
Encinitas, California**

1. Voting Item- Scope of Work for Weston Solutions to upgrade Monitoring Program for Permit Re-issuance (2006-2011) (30 Minutes)
 - a. Background (5 Minutes)
 - b. Current Proposal (10 Minutes)
 - c. Discussion (13 min)
 - d. Vote (2 Minutes)

Results:

Ruth Kolb presented a history of the monitoring costs and indicated that the program has increased efficiency from the early days. For example for about the same cost, we now conduct 10 mass loading stations 3 times a year compared to 5 mass loading stations 3 times a year under a previous permit.

The Management Committee authorized the Regional Monitoring Committee to decide on the details of the scope of work to improve the Regional Monitoring Program. A revised draft scope of work was provided to Copermittees on April 7. The scope of the proposal was modified to include under the statistics task, that Weston would address the following 4 questions for a cost of \$2308:

Use statistical method to analyze the trends of data collected at Mass loading Station to answer the following questions:

1. If we stagger stations does it effect ability to detect trends and how?
2. If we do them all in the same year vs. alternate years is there a difference?
3. How many years out for trends below a WQO does that push the program?
4. With stations that show an increasing trend, what does changing the sampling regime to the new proposal due to ability to detect those changes upward?

A total budget of not to exceed \$38,802 was approved by all Copermittees present (Revised scope of work attached).

Action Item: Weston will conduct the requested statistical evaluation and follow-up evaluations to improve the Mass loading station element of the monitoring program under the Workgroups' direction.

2. Two-Year Pilot Project (2 dry- 2 wet at 8 MLS stations)- RWQCB request on timeline consideration

Phil Hammer of the RWQCB contacted Jo Ann Weber of the County of San Diego and explored the option of delaying the 2-year pilot program (that was approved by the RWQCB in October 2004) until the beginning of the new permit cycle (2006-2007 and 2007-2008). The group respectively requested that the RWQCB allow us to begin next year (the last year of the Permit cycle), as dry weather flow data may increase the effectiveness of our programs by providing a link with our dry weather program data.

Action Item. Jo Ann Weber of the County of San Diego will further discuss with Phil Hammer of RWQCB and report back to the Workgroup.

2. Ambient Bay and Lagoon Monitoring Program
 - a. Review (5 Minutes)
 - b. 2004/2005 Report Review Summary (5 Minutes)
 - c. Proposal Program Modifications (40 Minutes)
 - d. Discussion (40 Minutes)

Result: The present ABLM program was reviewed (p. 3-18 to 3-31 in the 2003-2004 Urban Runoff Monitoring Report on website Projectcleanwater.org). Twelve coastal embayments were monitored in two phases. Samples from the upper 5 cm of sediment were collected at nine locations (chosen through a stratified random approach) in each embayment and analyzed for total organic carbon and grain size. The sediments in the top three sites in each embayment (highest percentage of fine-grained sediments and elevated TOC considered) were collected and composited and analyzed for sediment chemistry and, sediment toxicity. All 3 samples from each embayment were analyzed for benthic infauna. Sediment samples were collected from the upper 5 cm to potentially reflect sediments deposited from storms during the previous rainy season (sampling for this program occurs during the summer).

The group discussed how the program was designed due to budget constraints to address a worse case situation and not ambient conditions. The group brainstormed how the program could better address ambient conditions, but also is reflective of urban runoff contributions to tie to our management programs. Two conceptual approaches discussed were as follows:

Option A: Conduct assessments in 3 embayments in each year of the 5-year permit cycle and concentrate efforts upstream of the tidal prism.

Option B: Stagger the work such that oceans are addressed one year, lagoons another year and rivers a third year and consider participation in Bight Study 2008 in lieu of 2 years of the program.

Action Items:

Set up meeting with SWRCCP to discuss possible participation in Bight 08 in lieu of 2 years of ABLM program

Weston will provide options for ABLM program considering Workgroup's input

Other items: The bioassessment program was briefly discussed and will be further discussed at the next meeting.

Action Item:

Weston will review the bioassessment program and make suggestions. Additionally, Weston was requested to put the pieces of the regional monitoring program (mass loading stations, bioassessment and ABLM) together so that they made sense and could be used as feedback to help evaluate our management programs.

Attendees:

Cora Long, City of Lemon Grove

Roger Morrison, City of Poway

John Quenzer, D-Max Engineering/City of National City

Steve Gruber, Weston Solutions

Lisa Kay, Weston Solutions

Kristina Schneider, Brown & Caldwell

Maria Garcia, City of Imperial Beach

Kirk Ammerman, City of Chula Vista

Elaine Lukey, City of Carlsbad

Julie Matlaga, City of Oceanside

Jayne Strommer, City of Carlsbad

Jim Hogan, MACTEC Engineering

Jay Shrake, MACTEC Engineering

Jack White, White Environmental

Adolph Lugo, URS
Eo Othmer, URS
Karen Helyer, Port of San Diego
Jayna Nystrom, Port of San Diego
Kathy Weldon, City of Encinitas
Linda Isakson, City of Vista
Rosanna Lacarra, City of Delmar
Ruth Kolb, City of San Diego- Co-chair
Jo Ann Weber, County of San Diego- Co-chair

Attachment- Final SOW for Weston Solution to Update Regional Monitoring Program for the 2006 to 2011 Permit

April 14, 2005

Revised Final Scope of Work – Update of Regional Monitoring Program for the San Diego County Copermittees for 2006-2011

The San Diego County CoPermittees current NPDES MS4 permit is up for reissuance. The CoPermittees need to develop a Report of Waste Discharge (ROWD), as well as, develop the next generation of the urban runoff monitoring program required under the new MS4 permit.

Project Tasks

Task 1 – Provide input at Regional Monitoring Meetings for Permit Reissuance

Task 2 - Support Statistics, Analyses, and Program Comparison

Task 3 - Draft Report

Task 4 – Presentation of Draft Proposal to Permit Reissuance Workgroup

Task 5 – Final Report

Task 6 – Presentation to RWQCB

Task 7 – Final Project Wrap-up

Task Information

Task 1 - Provide input at Regional Monitoring Workgroup Meetings

Task 2 - Support Statistics/Analyses, Program Comparison

Using existing data from the current program, to answer the questions regarding what might be information loss vs. gain by redesign. We will need supporting information including statistical tests run based on the question at hand. This task will be to support any positions and provide science-based predictions for trend-assessment, information value, etc. Since the exact questions and tests needed are unknown at the present time, we have allocated a specific sum of money to be used as needed to answer those questions.

Updated scope during the 4/14.2005 meeting: Include in this task for an estimated cost of \$2308, a statistical analysis of mass loading station data to address the following questions:

1. If we stagger stations does it effect ability to detect trends and how?
2. If we do them all in the same year vs alternate years is there a difference?
3. How many years out for trends below a WQO does that push the program?
4. With stations that show an increasing trend, what does changing the sampling regime to the new proposal due to ability to detect those changes upward?

Task 2 Activities:

- Statistical comparison of program design strategy basis
- Use of statistical tests to answer questions such as “if we reduce the number of stations from X to Y what is the loss of power over Z period?”

Task 3 – Draft Report

Develop draft report incorporating products from Task 1 and 2. Draft report to be distributed to workgroup for review/edit. Weston will prepare sections of the report as they are discussed and decided upon by the Copermitees. The final document will be incorporated into the Report of Waste Discharge.

Task 3 Activities:

- Complete sections of report as the Workgroup decides on issues.
- Prepare draft report for review
- Letter addressing all comments received

Task 4 - Presentation of draft proposal to Permit Reissuance workgroup

Following the development of the draft report, a powerpoint presentation will be created to summarize the details of the proposal and presented to the Permit Reissuance Workgroup at a meeting for comment.

Task 4 Activities:

- Powerpoint presentation
- Meeting attendance/presentation to Reissuance Workgroup
- Revise powerpoint presentation if requested by workgroup (so that presentation can be given to RWQCB, Task 6)

Task 5 – Final Report

Create Final Report for distribution.

Task 5 Activities:

- Finalize work product
- Distribute copies/CDs to participants, including response to edit comments, all meeting notes, etc. as appendices

Task 6 – Presentation to RWQCB

Hold two meetings. One with Stakeholder Workgroup to review plans and powerpoint presentation that will be presented to RWQCB. Second meeting with RWQCB to present workgroup product using Powerpoint presentation style (plus handouts).

Task 6 Activities:

- Meeting with Stakeholder Workgroup
- Meeting with RWQCB/Presentation

Task 7 – Final Project Wrap-up

Hold a final wrap-up meeting with Stakeholder Workgroup to discuss the outcome/reception at RWQCB presentation. Discuss any next steps or needed actions.

Task 7 Activities:

- Final Project Meeting
- Revisions in response to RWQCB comments and identify any additional actions

Proposed Timeline

Workgroup Meetings (5 meetings) – March (1 mtgs), April (2 mtgs), May (2 mtg)

Draft Report with Statistics – May

Permit Reissuance Meeting – Late May

Final Report - June

Workgroup Pre-RWQCB Meeting – 2-3 days prior to RWQCB Meeting

RWQCB Meeting/Presentation – June

Final Project Wrap-up – within 1-2 weeks of RWQCB meeting

Costs

All costs at approved project rates per contract agreement

Task 1 Participate in Workgroup Meetings- \$0

Task 2 Study Design Alternatives development, Support Statistics, Analyses, and Program Comparison and provide requested information- \$19,640

- Lisa Kay, Project Manager – 40 hours
- Susie Watts, Project Manager/Statistician – 60 hours
- Senior Scientist – 40 hours
- Scientist II – 30 hours

Task 3 Draft Report (by section and incorporating preliminary review comments)- \$8,046

- Project Manager – 40 hours
- Senior Scientist - 16 hours
- Word Processor – 8 hours

Task 4 Presentation of Draft Proposal to Permit Reissuance Workgroup - \$3,557

- Project Manager – 6 hours (two meetings)
- Senior Scientist – 16 hours (materials preparation)
- Environmental Analyst – 16 hours (materials preparation)

Task 5 Final Report - \$2,377

- Project Manager – 8 hours
- Scientist II – 8 hours
- Word Processing – 8 hours
- Snr. Technician – 4 hours

Task 6 Presentation to RWQCB -\$3,453

- Project Manager – 12 hours
- Scientist II – 16 hours
- Word Processing – 8 hours

Task 7 Final Project Wrap-up - \$1,730

- Project Manager – 12 hours

Total cost estimate – Not to exceed \$38,802

Assumptions – total number of meetings = 9

Workgroup meetings = 5

Meeting with Permit Reissuance Workgroup = 1

Meeting with RWQCB = 1

Meeting with Stakeholders/Copermittees (Project Wrap up) = 1