

**Meeting Minutes**  
**Stakeholder Meeting, Implementation of the Shelter Island TMDL**  
**Aug 13, 2007**

Open Forum Discussion  
August 13, 2007  
3.10 – 4.00 pm

**James Sell (Lawyer, National Paint and Coating Association)**

National Paint and Coating Association spends a lot of money and hours developing biocide free paints but boats with biocide free paint need to be moved often and quickly. His recommendation was that some copper in antifouling paints needs to be included.

**Neal Blossom (National Chemet and National Paint and Coating Association)**

They represent the largest manufacturer of copper antifouling paints. Site specifics need to be determined for copper concentrations in the paint. Neal Blossom is not totally against the in-water hull cleaning. In his opinion, hull cleaning contributes to more than 5%.

**Bob Macomber (South West Yacht Club)**

Bob Macomber is a club member of the yacht club, and he gets questions from boat owners on what paint to use. He is using 2 copper paints (30% and 60% copper) and 2 non-copper paints (not in production) on one boat for testing. This will be a 12-month test.

**Jim Lonerga (South West Yacht Club)**

Jim Lonerga was interested in a copper monitoring project for the yacht club. He was wondering if background data are available and how a monitoring plan can be designed. He also asked about sediment testing.

*Karen Holman* responded and explained the Regional Harbor Monitoring Program.

*Julie Chan* responded and mentioned that water column data are available but sediment data are needed.

**Jim Moch (San Diego Yacht Club)**

Jim Moch asked if marina operators are in compliance with the TMDL when copper paints are totally eliminated, but copper is still found in the water column.

*Julie Chan* responded that in that case they will be in compliance because they have done everything they were able to do.

**John Robertus (Executive Officer, SDRWQCB)**

John Robertus explained the procedure of a NPDES permit, and told the audience that in his opinion a NPDES permit is the answer to the TMDL implementation. He does not want to list the whole bay, but want to reduce the sources with a NPDES permit.

**Sandy Purdon (Clean Marina Program)**

Sandy Purdon's question was if the monitoring for the TMDL was done at different tides.

*Lesley Dobalian* responded and said that monitoring at different tides did not make a big difference in copper concentrations.

**John Lorman (San Diego Yacht Club)**

John Lorman was asking if the other regulatory options proposed in the TMDL are still being considered, and if the NPDES will regulate in each boat owner.

*John Robertus* responded that regulating the marina operators will be the best option. Also, the NPDES is the best solution for the TMDL implementation.

**Dennis Allen (Armored Hull Boat Shields)**

Dennis Allen developed an antifouling technique with slip liners and the addition of chlorine. He is willing to give out some slip liners. He is also working on sun shields so no chlorine needs to be added.

**John Robertus (Executive Officer, SDRWQCB)**

John Robertus mentioned that copper in marinas is a global issue and that freshwater marinas need to be addressed in the future. Freshwater marinas will be excluded from the proposed NPDES permit (question from Ruth Kolb, City of San Diego). The NPDES permit is the only suitable regulatory tool to address the TMDL at the moment, and it will be probably a year long process. The prior NPDES permit (which was not adopted) will be the starting point for discussions.

John Robertus mentioned that they are 3 options for the permit:

- Shelter Island Marina only
- All of the marinas in San Diego Bay
- All salt water marinas in the region

The question remains what to do with visiting boats.

There was a question on how long the list is for TMDLs in the San Diego Region. *Julie Chan* responded that there are 19 active TMDLs in development, and over 100 listings in the San Diego Region. Some of the TMDLs in development are bacteria TMDLs.

There was a question if there are any other copper TMDLs planned. *Julie Chan* responded that there probably will be more copper TMDLs in the future (5-10

years from now). This can be avoided if the water bodies can be de-listed and if regulatory tools (like the NPDES permit for marinas) are in place to reduce copper loadings.

**Leigh Johnson (California Sea Grant)**

Leigh Johnson made a comment that there is no one answer to the copper problem. There are many options now, and the best way to go is to diversify so we do not have new problems in the future.