

Waterfront & Marinship Steering Committee

Maritime Compliance Challenges & Solutions

January 7, 2010



Objectives

- Help WAM be aware of the threats of environmental compliance in Sausalito
- Understanding compliance as it relates to Clipper Yacht Harbor
- Outline of solution for compliance



CWA

- Clean Water Act Federal law in 1972.
- 2 Amendments 1977 & 1987.
- SWPPP Storm Water Prevention Pollution Plan.
- Must adequately control and prevent.
- Consequences Habitat & Financial.





What happens when...



Trinidad AF = 70% Cuprous Oxide (A Biocide)



A Ban without a Plan?

The Ban

- Global Ban on TBT
- Copper-based Antifouling Paints banned in parts of Europe

The Plan

- Alternative products now approved for use in California
- ECONEA Testing Program only at KKMI



West Coast Legislation

California State Resource Control Board (SWRCB) Resolution 2006-06:

- "The State Water Board finds, in view of increasing impairment of coastal marinas from copper-based antifouling paints, that there is a need for statewide consistency in regulation."
- Final hearings set for December 2010



How do we protect our Bay?





Plan for Clipper Yacht Harbor

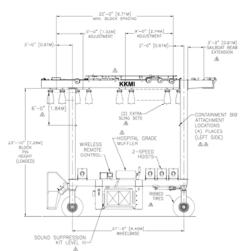
Design & Construction Criteria

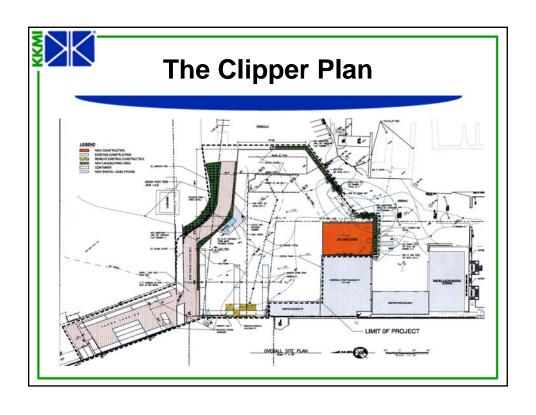
- Toxic clean up of Clipper Yacht Harbor
- Rebuild facility to prevent future contamination
- Use low impact design techniques
- Safe, sustainable and lower use of toxins.
- Keep costs down & deliver best value.



Eco Friendly Equipment

- First Green Marine Travelift
- Capacity 110,000 lbs, 80' LOA x 20' Beam
- Biodiesel & Tier III Emissions
- Hospital grade muffler
- First wireless remote operation in Northern California
- Electropulse Filtration System
- Industrial Stormwater Filtration









Summary

- Environmentally compliant marine service facility
- Low-impact design and construction
- Eco-friendly equipment and practices
- Maintain competitive rates for boating services
- Preserve the integrity of the working waterfront in Sausalito