

**COMMENTS FOR WASTE DISCHARGE REQUIREMENTS
FOR CONTINENTAL MARITIME
TENTATIVE ORDER NO. R9-2008-0049
NPDES PERMIT NO. CA0109142**

1. High risk areas (Definitions, Page A.3): The definition is broad, nonspecific, and could arguably be applied to any industrial area. The term "significant quantities" needs to be added to the definition for high risk areas. Significant quantities is already defined in the permit as "volumes, concentrations, or masses of pollutants that can cause or threaten to cause pollution, contamination, or nuisance; adversely impact human health or the environment; and/or cause or contribute to a violation of any applicable water quality standard for the receiving water or any receiving water limitation."

2. Split Sample (Monitoring and Reporting Program, Attachment E, Page E-3): A split sample is required each year to determine the most sensitive species. The permit should state clearly that only a single sample must be split not all of the samples collected.

3. Species List (Monitoring and Reporting Program, Attachment E, Page E-4): A list of species is provided. The permit should clearly state that only one of the species may be selected for testing and not all of them at once.

4. Next Qualifying Storm Event (Monitoring and Reporting Program, Attachment E, Page E-5): Permit states that sampling is required within 14 days, if test is not acceptable. This cannot be completed if there is no qualifying storm event. The permit needs the following statement added "within 14 days or the next qualifying storm event".

5. Constituent Table (Monitoring and Reporting Program, Attachment E, Page E-9): Permit shows a table of constituents that must be sampled for each storm event. The tentative permit did not include a condition or methodology to reduce monitoring or eliminate constituents when the constituents are not found in the storm water samples. We recommend that monitoring be reduced to once every year if the constituent is not detected after the first two storm events, and eliminated if not detected in the second year of monitoring. This eliminates unnecessary

given the costs should be presented by the RWQCB. The reasons for choosing the next 4 storm events, rather than a lesser number, for example 1 or 2 storm events should be provided. Reducing the monitoring requirements allows resources to be directed toward structural and/or procedural BMPs while providing adequate monitoring to demonstrate the BMPs are effective and the discharge is in compliance with the permit conditions. The Navy requests that the RWQCB provide an economic analysis of these monitoring conditions as required under Porter-Cologne Section 13241. This economic analysis makes the regulatory process more transparent.

8. Acute toxicity standard (Section VII, Compliance Determination, Page 23): The proposed standard includes a statistical one-tailed hypothesis t-test and also requires that Continental Maritime pass the t-test each and every time at the end of the pipe. The previous toxicity standard was based on a 90% survival threshold 50% of the time.

Modification of the toxicity threshold from 90% survival to a t-test acknowledges the appropriate use of statistical evaluations in identifying when a test result is different from a set of controls. However, the t-test alone does not take into account the fact that each toxicity test method has inherent variability not captured by the t-test. The method variability, described by the Minimum Significant Difference (MSD), is the smallest difference that is measurable between a control sample and another test treatment and is specific to each species and endpoint. The EPA has described the MSD at length (EPA, 2000) and identifies the use of MSD as part of test acceptability criteria. In this document, the EPA stated: "*The most significant recommendation is to use and report the values for the percent minimum significant difference (PMSD) with all WET data results..... Using this information, the regulatory authority and permittees can better evaluate WET test results.*"

The 90th percentile MSD value describes a significant difference from control that 90% of laboratories would be able to correctly identify. Thus, the 90th percentile MSD value should be included as part of the statistical evaluation. Doing this will account for the full range in method variability and will more accurately reflect when a result can be declared significantly toxic.

