



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX**

**75 Hawthorne Street
San Francisco, CA 94105**

MEMORANDUM

To: Sheryl Lauth (H-9-1)
Remedial Project Manager

From: Sophia Serda, Ph.D. (H-9-3) *Sophia Serda Ph.D.*
Regional Toxicologist

Subject: Draft Addendum to RI/FS Work Plan and Risk Assessment Work Plan for
Naval Station Long Beach, Dated November 9, 1994.

Date: December 20, 1994.

I have reviewed Section 4, the Human Health portion of the above referenced document. In general the document is adequate but not sufficient. Several items need further clarification including identification of statistical methods that will be used to identify if chemical concentrations in fish tissue are statistically different from chemical concentrations in reference fish, Figure 4-1: *Overview of Baseline Human Health Risk Assessment Procedures*, and Figure 4-2: *Conceptual Site Model*. I have spoken with the State regarding my concerns. If you have any questions regarding my comments, I can be reached at (415) 744-2307.

Comments

1. Page 4-3, Section 4.2.1, Paragraph. 2.

List what statistical methods will be used to identify if chemical concentrations in fish tissue are statistically different from reference concentrations.

2. Figure 4-1: *Overview of Baseline Human Health Risk Assessment Procedures*.

Information in this Figure is confusing and is inconsistent with the human health procedures presented in Section 4.2 of the text. Revise Figure.

3. Figure 4-2: *Conceptual Site Model*

This figure is inconsistent with information from Section 4. 2.3.2 of the text. Identify as receptors the occupational divers and identify that this exposure pathways will be qualitatively evaluated.