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Ser 1813EG/L2345  
5 Aug 1992

California Environmental Protection Agency  
Department of Toxic Substances Control, Region 2  
Attn: Mr. Tom Lanphar  
700 Heinz Avenue, Suite 200  
Berkeley, CA 94710

Subj: REMEDIAL INVESTIGATION/FEASIBILITY STUDY FOR NAVAL STATION  
TREASURE ISLAND

Dear Mr. Lanphar:

The Navy has implemented a variance to the approved project Field Sampling Plan. The variance applies to the sample numbering scheme and was designed to simplify sample handling and minimize errors. Enclosure (1) provides the details on the changes and benefits. These changes are not expected to have an adverse impact on the project and are being implemented in the current field activities.

For further information or clarification on this variance, please contact Mr. Ernesto M. Galang, Code 1813EG, at commercial (415) 244-2560.

Original signed by:

GILBERT A. RIVERA  
Head, Installation Restoration Section

Enclosure: Proposed Variance to RI/FS dated 12/26/91

Copy to:

Environmental Protection Agency, Region IX (Attn: Julie Anderson)  
California Regional Water Quality Control Board (Attn: Barbara Smith)  
NAVSTA Treasure Island (Attn: Jim Sullivan)  
COMNAVBASE San Francisco (Attn: Randy Friedman)

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Bay Area Air Quality Management District (Attn: Scott Lutz/Brian Jennison)  
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National Oceanic & Atmospheric Administration (Attn: Denise Klimas)  
U.S. Army Corps of Engineers (Attn: Sharon Morlund)  
Bay Conservation and Development Commission (Attn: Chris Perry)

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09B, 1813, 1813EG, Admin Records (3 copies)  
Chron, blue, pink, green  
Writer: E. Galang, 1813EG, X-2560  
File: NS, Treasure Island

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Date : July 31, 1992  
Project : Naval Station Treasure Island - CTO-0199  
Subject : Proposed Variance to RI/FS FSP dated 12/26/91

The purpose of this variance is to implement a revised sample labeling scheme. The use of the sample designation scheme discussed in the Treasure Island RI/FS Field Sampling Plan (FSP) has caused problems in the past. The currently implemented sample designation scheme replaces the 20 character sample number with a 8 character sample number. The scheme is beneficial in the following areas:

- The shorter sample numbers are less prone to transcription errors
- Unique sample numbers can still be provided for each sample, including field QC samples
- The shorter sample numbers are compatible with both the laboratory and PRC computerized data base management systems
- The proposed scheme does not provide the laboratory with any information which could bias the reported results; this is especially important for field QC samples (including trip blanks, equipment blanks, field duplicates)
- The shorter sample numbers are easier to work with in the field, in the laboratory, and in the office

The old sample designation scheme produced sample numbers that were long, complicated to use, prone to transcription errors, were too descriptive, and did not provide for easy labeling of field QC samples.

The change to the template for the numbering scheme is described below.

Sample Numbering Template: XXX AA YY Z

- X - Site Number
- A - Activity code as described below
- Y - Sampling location (Well or Boring Number)
- Z - Sequential alphanumeric code for multiple samples collected at the same location, for example sample depths

Activity Codes

- SB - Soil sample from a soil boring
- WB - Water sample from a soil boring

MW - Ground water sample from a monitoring well  
SW - Surface water sample  
SS - Sediment sample  
SL - Sludge sample  
HP - Hydropunch ground water sample  
SG - Soil gas sample  
GS - Miscellaneous grab sample (solid)  
GL - Miscellaneous grab sample (liquid)  
TP - Solid or liquid material from an exploratory test pit.  
AS - Air sample

In this numbering scheme field QC samples will be labeled as follows. Field duplicate samples will be designated by adding a "I" before the site number or the sample location with the same activity code as the original sample. Equipment blanks, trip blanks, and field blanks will be labeled with the the site number at which the blank was collected and the "GL" activity code for miscellaneous grab sample for liquid. The sample location for these blanks will begin with 01A and increase sequentially as needed. The matrix spike/matrix spike duplicate (MS/MSD) volumes submitted to the laboratory are not unique samples and will have the identical sample number as the original sample.

The information originally used in the sample designation scheme--the site code, the specific sample location, and the sample depth--will be included in the field logbooks and drilling logs. The second and third pages of the chain-of-custody forms, which are retained by PRC, will also include this information as well as information about field QC samples. The procedures for labeling sample containers, and documenting the collection of samples will remain as described in the FSP; only the procedures for assigning sample numbers will be changed.