



DEPARTMENT OF THE NAVY
MARE ISLAND NAVAL SHIPYARD
VALLEJO, CALIFORNIA 94592

IN REPLY REFER TO:

5090
Ser 461.6/184

JUN 10 1988

Ms. Lila Tang
California Regional Water
Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, Ca 94607

Dear Ms. Tang:

Attached is the addendum to the Sampling Plan for the 900 Area at Mare Island Naval Shipyard as agreed to in the May 2, 1988 meeting between Mare Island Naval Shipyard, IT Corporation, and the Regional Water Quality Control Board.

The original plan and proposal were developed as a part of our Installation Restoration (IR) Program response under the Comprehensive Environmental Response, Compensation, and Liability Act as amended.

Please advise if you have any questions. I can be reached at (707) 646-3375.

Sincerely,

A handwritten signature in cursive script, appearing to read "W. J. Cornils".

W. J. CORNILS
Head, Environmental Management Division
By direction of the Shipyard Commander

Copy to:
Ms. Karen Scheuerman
U. S. Environmental Protection Agency
Region IX
215 Fremont Street
San Francisco, CA 94105

Mr. John O'Kane
North Coast California Section
Toxic Substances Control Division
Department of Health Services
5850 Shellmound Drive, Suite 390
Emeryville, CA 94608

Mr. Cliff Covey
Solano County Health Department
601 Texas Street
Fairfield, CA 94533

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RECEIVED ROOM

Mr. Jesse Hicks
IT Corporation
312 Directors Drive
Knoxville, TN 37923

Commander
Western Division, Naval Facilities
Engineering Command
Atten: Code 1142, Mr. Dean Peterson)
P. O. Box 727
San Bruno, CA 94066

ADDENDUM TO SAMPLING PLAN FOR
BUILDING 900, SANDBLASTING AREA
MARE ISLAND NAVAL SHIPYARD
VALLEJO, CALIFORNIA
MAY 17, 1988

BACKGROUND

A sampling plan for the Sandblasting Area, Building 900, Mare Island Naval Shipyard (MINSY) was prepared by IT Corporation. This plan dated February 25, 1988 was submitted to the California Regional Water Quality Control Board (RWQCB) by MINSY for comments and approval. In a letter dated April 5, 1988 from Mr. Roger B. James, RWQCB, to Mr. William Cornils, MINSY, several changes to the sampling plan were suggested. Subsequently, a meeting was held at the RWQCB in Oakland, CA on May 2, 1988 to discuss the changes and to agree upon a plan of action for sampling at the 900 Area.

AGREED UPON REVISIONS

The following revisions to the original sampling plan were agreed to between MINSY and the RWQCB, and are hereby incorporated into the sampling plan.

1. Chemical Analytical Parameters and Methods

The soil samples will be analyzed for total chromium, copper, lead, zinc and organotins. The third edition of "Test Methods for Evaluating Solid Waste," USEPA, SW-846, will be used for analytical methods.

2. Boring Depths

- a. Three borings will be drilled down to a seven foot depth in the core area. The locations for these borings will be determined in the field.
- b. Four borings will be drilled down to a seven foot depth in the peripheral area. Locations for these four borings will be determined in the field.

3. Study Area

An additional grid line (twenty-five foot grid) of soil sampling will be extended beyond the line of lowest tide, as recommended by the RWQCB. This will add seven additional samples to the original number of samples planned. Sediment samples taken in this area will be at depths of 0, 1, and 2 feet. The distribution of the sampling will depend on field conditions. The goal of this sampling will be to determine the lateral extent of the sandblasting area. See Figure 2 (Revised) for the area to be sampled.

4. Soil Samples for Chemical Analysis

The uppermost two samples from all boring locations will be analyzed. Progressively deeper samples will be analyzed if the previous interval shows chemical levels above background levels.

A background sample will be taken to determine action limits. the location of this sample will be determined in the field by the hydrogeologist.

5. Ground Water Monitoring Wells

A well-point will be driven in order to collect a ground-water sample in lieu of the three monitoring wells. This well-point will be located between sampling points 900-1 and 900-2 taken in the Verification Study. Development water will be disposed of at the Industrial Wastewater Treatment Plant. The ground water sample will be analyzed for total chromium, copper, lead, and zinc. Turbidity, pH, and EC will also be measured.

6. Miscellaneous

Borings will be sealed within 24 hours of drilling.

7. Schedule

A revised schedule calls for a proposed remedial action plan to be submitted to the RWQCB by September 25, 1988.

DRAWING NO.: 409647-A-C02
PROJECT NO.: 409647

INITIATOR: P KUHLMEIER
PROJ. MGR. P KUHLMEIER

DATE LAST REV.:
DRAWN BY:

STARTING DATE: 2-22-80
DRAWN BY: W MCGILL

IRUNING 72425

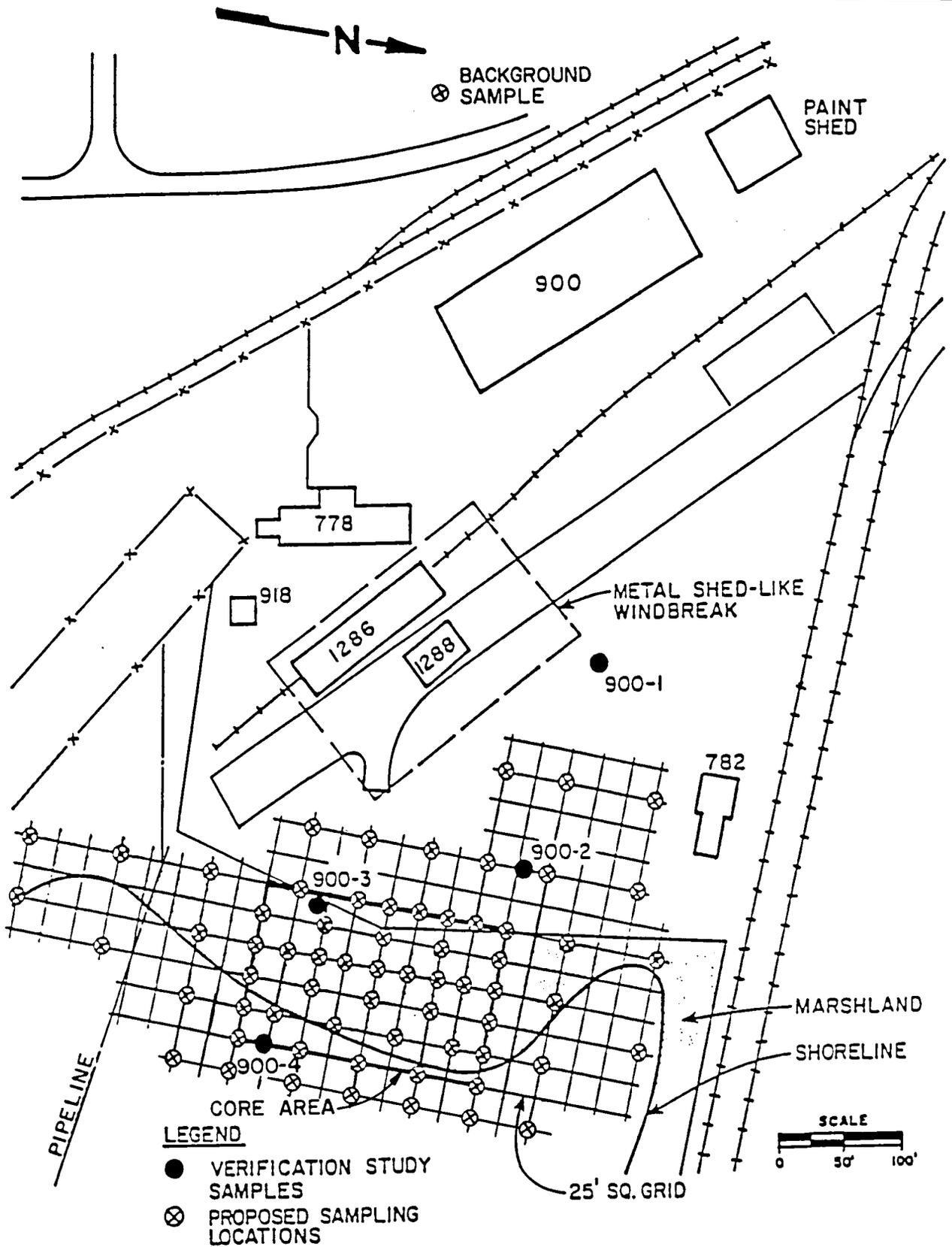


FIGURE 2. (REVISED)
BUILDING 900 AREA SAMPLING LOCATIONS

SAMPLING PLAN FOR
BUILDING 900, SANDBLASTING AREA

DATED 25 FEBRUARY 1988

THIS DOCUMENT WAS NOT RECEIVED IN THE
RESTORATION RECORD FILE.

FOR ADDITIONAL INFORMATION, CONTACT:

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