



DEPARTMENT OF THE NAVY  
NAVAL STATION  
TREASURE ISLAND  
SAN FRANCISCO, CALIFORNIA 94130-5000

N00217.003131  
HUNTERS POINT  
SSIC NO. 5090.3

IN REPLY REFER TO:

5990  
Ser OOE/2372  
22 Sep 1989

- From:** Commanding Officer, Naval Station Treasure Island, San Francisco,  
CA 94130-5000
- To:** Commander, Western Division, Naval Facilities Engineering Command,  
P.O. Box 727, San Bruno, CA 94066-0720
- Subj:** TIME CRITICAL REMOVAL OF METAL-CONTAMINATED SANDBLASTING GRIT, NAVAL  
STATION TREASURE ISLAND, HUNTERS POINT ANNEX
- Encl:** (1) Subject Action Memorandum
1. Enclosure (1) is forwarded for information and action as appropriate.
  2. Should you have any questions, please contact me at (415) 822-4229.

*Kam Tung*  
KAM TUNG  
By Direction

89 SEP 27 P2:21

RECEIVED  
IN CODE 181

Action Memorandum

From: On-Scene Coordinator  
To: Commanding Officer, Naval Station, Treasure Island, Hunters Point Annex

Subj: TIME-CRITICAL REMOVAL OF METAL-CONTAMINATED SANDBLASTING GRIT, NAVAL STATION, TREASURE ISLAND, HUNTERS POINT ANNEX

Encl: (1) Subject Removal, Work Plan  
(2) Subject Removal, Engineering Evaluation/Cost Analysis

1. As discussed in enclosures (1) and (2), approximately 3000 cubic yards of metal-contaminated sandblasting grit are temporarily being stored just north of the South Basin bay area near the southwest corner of Hunters Point Annex. The sandblasting grit was found to contain levels of copper and lead in excess of the State of California Title 22 Soluble Threshold Limit Concentrations (STLC). If toxic heavy metals leach from the deposited grit or if contaminated dust particles become airborne, a potential threat to human health or the environment exists. Therefore, conditions meet the criteria set forth in the National Contingency Plan (NCP), Section 300.65, for implementation of an immediate removal action.

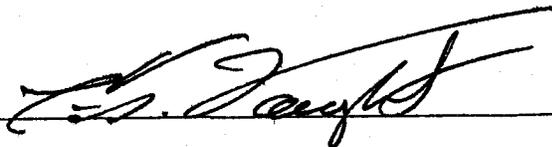
2. The objective of the removal action proposed in this Action Memorandum is to treat and dispose of the stored metal-contaminated sandblasting grit. A chemical fixation and stabilization process will be used. The objective will be to produce a material, that because of its lower soluble copper and lead content, can be disposed of in a local sanitary landfill as nonhazardous waste.

3. The contaminated sandblasting grit will be placed in a reaction vessel with measured quantities of sulfides, silicates, and silicate setting agents. Laboratory analysis will be performed for each batch of approximately 150 cubic yards to verify the effectiveness of the treatment process. Treated waste will be hauled to a local sanitary landfill pending concurrence by the California Department of Health Services, Regional Water Quality Control Board, and the cognizant County Department of Environmental Health.

4. Treatment and disposal of the 3000 cubic yards of contaminated sandblasting grit is expected to cost approximately \$210,000 - \$225,000, depending on the landfill selected. Cost elements include labor, equipment, chemicals, laboratory analysis, transportation, and disposal costs. This funding is available from the centrally controlled Defense Environmental Restoration Account.

5. The removal action proposed is consistent with present Remedial Investigation activities. Because conditions meet the NCP 300.65 criteria for an immediate removal, approval is requested to implement a time-critical removal action as described above. Indicate approval or disapproval by signing below.

Approve: \_\_\_\_\_



Date: \_\_\_\_\_

9/21/89

Disapprove: \_\_\_\_\_

Date: \_\_\_\_\_

ENCL (1)

**ENCLOSURE (1)**

**TIME CRITICAL REMOVAL OF  
METAL – CONTAMINATED SANDBLASTING GRIT**

**THE ABOVE IDENTIFIED ENCLOSURE IS NOT  
AVAILABLE.**

**EXTENSIVE RESEARCH WAS PERFORMED BY  
SOUTHWEST DIVISION TO LOCATE THIS  
ENCLOSURE. THIS ENCLOSURE HAS BEEN  
INSERTED AS A PLACEHOLDER AND WILL BE  
REPLACED SHOULD THE MISSING ITEM BE  
LOCATED.**

**QUESTIONS MAY BE DIRECTED TO:**

**DIANE C. SILVA  
RECORDS MANAGEMENT SPECIALIST  
SOUTHWEST DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
1220 PACIFIC HIGHWAY  
SAN DIEGO, CA 92132**

**TELEPHONE: (619) 532-3676**

**ENCLOSURE (2)**

**TIME CRITICAL REMOVAL OF  
METAL – CONTAMINATED SANDBLASTING GRIT  
ENGINEERING EVALUATION/COST ANALYSIS**

**THE ABOVE IDENTIFIED ENCLOSURE IS NOT  
AVAILABLE.**

**EXTENSIVE RESEARCH WAS PERFORMED BY  
SOUTHWEST DIVISION TO LOCATE THIS  
ENCLOSURE. THIS ENCLOSURE HAS BEEN  
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