

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

FRANCISCO BAY REGION
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HUNTERS POINT
SSIC NO. 5090.3



Date: December 9, 1987
File No: 2169.6032 (WBH)

Attn: Commander Chris Guild
Code 09B
NAVCOM
P.O. Box 727
900 Commodore Drive
San Bruno, CA 94066-0720

Subject: Naval Station Treasure Island, Hunters Point Annex, San Francisco, CA

Dear Commander Guild,

The purpose of this letter is to identify storm water runoff sampling locations pursuant to my request for identification and winterization of polluted runoff sources and discharge points at the Hunters Point Annex (letter of September 4, 1987).

On 11/20/87, representatives of the Regional Water Quality Control Board (RWQCB), the Navy and Harding Lawson Associates, walked the shoreline areas of Hunters Point to:

- 1) identify storm runoff discharge points
- 2) determine storm runoff sampling locations
- 3) identify polluted soils which may threaten the Bay's water quality via their potential to discharge polluted runoff.

Six storm runoff sampling points have been identified: two storm sewer outfalls, two rivulets, and two ponded areas. Because the locations of some storm sewer outfalls have not yet been identified, it may become necessary to sample the discharges from additional outfalls as further information becomes available.

One of the outfalls which should be sampled is located adjacent to Berth 36. This outfall discharges storm water collected from the eastern portion of the Bay Fill Area, the Burning Disposal Area, the area surrounding Tank S505 and possibly the Oil Reclamation Ponds Area. Navy personnel asserted that the culverts leading to this outfall contained excessive amounts of sandy sediment, but were not sure whether the sediment was backwash from the Bay during high tide events or whether the material was sand blast waste which washed into and/or was dumped into the storm sewer.

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The second outfall is located in the Bay Fill Area between Sixth and Spear Avenues. This outfall discharges storm runoff collected from the western portion of the Bay Fill Area, and from the Baseball Field Area where Triple A Machine Shop allegedly sprayed oily wastes on the ground surface. It should be noted that there was a significant volume of water ponding at the intersection of Sixth Avenue and "J" Street, which is adjacent to the ball field and in close proximity to this storm sewer outfall.

During high tide rainfall events, storm sewer discharges should be sampled via sewer manholes, located above the influence of tidal backwash.

There was significant ponding of storm water runoff immediately adjacent to the south and east sides of the sand blast waste pile located in the Bay Fill Area. This standing water was discharging directly to the Bay via a large rivulet. The protective cover sheets over the sand blast waste pile had not been adequately secured and had apparently blown loose, leaving portions of the pile uncovered.

There is a swampy low lying section of the Industrial Landfill, which is drained by a twelve inch culvert which passes through the landfill's dike and empties into the Bay. The Verification Study indicated the presence of VOC, SOC and metals in the soil and ground water at this site.

Much of the Additional Area at the Sub Base Sand Blast Area is underlain by heterogeneous artificial fill material. While most of this area has been paved over, there is a 50 - 60 foot wide strip of exposed soil along the shoreline, which is composed of very loosely packed sandy material, possibly sand blast waste. Storm water runoff was ponding on this strip of exposed soil and discharging via a rivulet to the Bay. The rivulet was located approximately 150 feet east of the Hunters Point fence line. The Verification Study indicated that lead and nickel were found exceeding 10 times the STLC in much of the "Additional Area".

Pursuant to Section 13267(b) of the California Water Code, I hereby request that technical report be submitted to the RWQCB, which contains the following specified information relating to the next significant rainfall event:

- 1) The analytical results of water samples collected from the storm sewer outfall located near Berth 36. These samples should be analyzed for pH and for the presence of VOC and SOC (EPA Methods 624 and 625), PCB's, copper, lead, chromium, nickel and zinc.

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2) The analytical results of water samples collected from the storm sewer outfall in the Bay Fill Area near Sixth and Spear Avenues. These samples should be analyzed for pH and the presence of VOC and SOC (EPA Methods 624 and 625), PCB's, copper, lead, chromium, nickel, and zinc.

3) The analytical results of water samples collected from the ponded areas adjacent to the sand blast pile in the Bay Fill Area and the storm runoff discharged via the rivulet which drains those ponded areas. These samples should be analyzed for pH and the presence of VOC and SOC (EPA Methods 624 and 625), PCB's, copper, lead, chromium, nickel, and zinc.

4) The analytical results of water samples collected from the standing water in the swampy low lying section of the Industrial Landfill, which is drained by a 12 inch culvert. The samples should be collected near the inlet of this culvert. The samples should be analyzed for pH, and the presence of VOC and SOC (EPA Methods 624 and 625), PCB'S, and all EPA priority pollutant metals with the exception of antimony, beryllium and selenium.

5) The analytical results of water samples collected from the storm runoff discharged via the rivulet in the "Additional Area", which is described above. The samples should be analyzed for pH and the presence of nickel, lead, zinc, chromium and copper.

These water quality samples should be collected as soon as possible subsequent to the first hour of a significant rainfall event. The technical report should also contain evidence that the sand blast pile, located in the Bay Fill Area, has been properly and securely protected from rainfall and runoff. A copy of the revised storm sewer control diagram for Hunters Point Annex should be submitted to my staff as soon as it is completed.

This report should be submitted within 30 days of the rainfall event. Subsequent to my staff's review of these analytical results, the analytical methods, water quality parameters and possibly the sampling locations specified in this letter will be modified to eliminate unwarranted analyses from future sampling events.

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Thank you for your assistance and cooperation in this matter. If you have any questions, please contact William Hurley of my staff at (415) 464-0841.

Sincerely,

A handwritten signature in cursive script, reading "Laurence P. Kelly". The signature is written in black ink and is positioned above the printed name and title.

for
Roger B. James
Executive Officer

cc: Chein Kao, Department of Health Services
Amy Zimpfer, U.S. EPA, Region IX
David Wells, Environmental Health, City of San Francisco
Steve Castleman, S.F. Office of the District Attorney
Alex Dong, Naval Facilities Engineering Command
Joseph Ruzicska, Commander Naval Base