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Ser 1832.JJ/406
May 17, 1994

Mr. Mark Shemaria
Tidelands Oil Production Company
P.O. Box 1330
Long Beach, CA 90801

Subject: ACCESS TO COLLECT HYDROPUNCH SAMPLES AND INSTALL A
MONITORING WELL ON TIDELANDS PROPERTY

Dear Mr. Shemaria:

The Navy is cleaning up the Long Beach Naval Complex through the Installation Restoration Program (IRP). The IRP is the Navy's equivalent to the process used by the U.S. Environmental Protection Agency (EPA), commonly known as the "Superfund" program. As part of the process, the Long Beach Naval Shipyard was required to develop a Remedial Investigation/Feasibility Study (RI/FS) Work Plan which has been approved by the California Department of Toxic Substances Control (DTSC).

The Work Plan requires the collection of subsurface data regarding soil and groundwater. In order to comply with the approved Plan, one permanent monitoring well and four temporary groundwater sampling points must be located on the Tidelands leasehold. To conduct the work, ground penetrating radar and/or electromagnetic surveys will be completed to provide utility clearance; hydropunch and hollow stem auger drilling will be used to collect samples and install wells; and licensed surveyors will determine elevations of all sampling locations. Described below are sample locations and type of samples needed to comply with the RI/FS.

The permanent monitoring well to be located east of Site 11 (see Attachment 1) will be installed on the Tidelands leasehold. The wellbore will be drilled to a maximum depth of about 40 feet, and the well will be constructed with 4-inch diameter polyvinyl chloride (PVC) pipe. The well will be protected by a steel riser and three guard posts. A drilling rig, support truck, and a van containing the health and safety equipment will be located at the well site during drilling. Drilling and installation should be completed within 2 to 3 days. All soil cuttings will be contained within drums and transported to the drum storage area after the well is completed. A well development rig will be required to develop the well for about 4 hours after the well is installed. All groundwater extracted during development will be contained in drums and transported to Baker tanks for disposal.

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The Navy will also require access to gauge the well on a regular basis. Gauging should take less than 15 minutes.

The Navy is also required to collect groundwater samples on the Tideland leasehold adjacent to Site 12 (Attachment 2). The samples will be collected with a hydropunch using a cone penetrometer (CPT) rig. The samples are collected with a 1 1/2-inch diameter probe and will be backfilled with grout after the samples are collected. The four hydropunch samples will be collected within 8 hours.

Prior to installing the well and collecting the hydropunch samples, surface geophysical surveys for utility clearances will be performed. After utility clearance, the sampling locations will be marked by spray paint, flagging, wooden stakes, or other types of materials. All locations will be finalized based on the utility clearances and/or other field obstructions encountered during drilling.

Once the field work is completed, a licensed surveyor will require access to survey the elevations of the well and hydropunch locations.

Utility clearance is scheduled to begin June 6, 1994. Please review the attachments which show the locations of the well and groundwater samples. Call me if you have any questions at (619) 532-3873. In order to finalize arrangements for the proposed work in a timely manner, written confirmation of your agreement to provide access for the RI/FS activities described above is needed before June 1, 1994.

Thank you for your assistance.

Sincerely,

JOSEPH JOYCE
Remedial Project Manager
By direction of
the Commanding Officer

Blind copy to:
1832
18 Central File
18 Chron
18 Read File

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**ATTACHMENT 1
THE PERMANENT MONITORING WELL TO BE
LOCATED EAST OF SITE 11**

**ACCESS TO COLLECT HYDROPUNCH SAMPLES
AND INSTALL A MONITORING WELL ON
TIDELANDS PROPERTY**

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

**EXTENSIVE RESEARCH WAS PERFORMED BY
SOUTHWEST DIVISION TO LOCATE THIS
ATTACHMENT. THIS PAGE 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

**ATTACHMENT 2
GROUNDWATER SAMPLES ON THE TIDELAND
LEASEHOLD ADJACENT TO SITE 12**

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AND INSTALL A MONITORING WELL ON
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