

M.P.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION**

101 CENTRE PLAZA DRIVE
REY PARK, CA 91754-2156
66-7500



January 27, 1993

L. A. Sollenberger
Commander, CEC, USN
Environmental Officer
Naval Construction Battalion Center, Port Hueneme
Code 40A4
Port Hueneme, CA 93043

**WASTE DISCHARGE REQUIREMENTS FOR THE LAND TREATMENT OF PETROLEUM
HYDROCARBON CONTAMINATED SOIL (FILE NO. 92-59)**

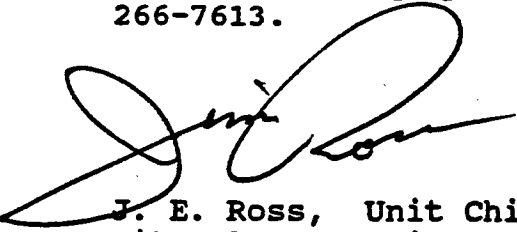
Our letter dated December 18, 1992, transmitted copies of tentative Waste Discharge Requirements for waste discharge from the above facility.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a Public meeting held on January 25, 1993, reviewed the tentative Waste Discharge Requirements, considered all factors in the case, and adopted Order No. 93-007 (copy attached), relative to this waste discharge.

You are required to implement Monitoring and Reporting Program No. 7240 on the effective date of this Order. Your first monitoring report is due to this Board by April 15, 1993. All monitoring reports shall be sent to the Regional Board, Attention: Technical Support Unit.

Reference all technical and monitoring reports to our Compliance File No. 7240. Do not combine other reports, such as progress or technical reports, with your monitoring reports.

If you have any questions, please contact Mark Pumford, at (213) 266-7613.



J. E. Ross, Unit Chief
Site Cleanup Unit

Enclosures

cc: See mailing list.

MAILING LIST

U.S. Army Corps of Engineers
Denise Klimas, NOAA, Hazardous Materials Response
and Assessment Division
Department of Interior, U.S. Fish and Wildlife Service
Mr. Archie Matthews, State Water Resources Control Board,
Division of Water Quality
Department of Fish and Game, Region 5
Department of Water Resources
Ventura County Environmental Health Division, LUFT Unit

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 93-007

WASTE DISCHARGE REQUIREMENTS
FOR
UNITED STATES NAVY
PORT HUENEME NAVAL CONSTRUCTION BATTALION CENTER
(LAND TREATMENT OF PETROLEUM HYDROCARBON CONTAMINATED SOIL)
(FILE NO. 92-59)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. The United States Navy owns and operates the Naval Construction Battalion Center at Port Hueneme, California. The United States Navy, Naval Construction Battalion Center, Port Hueneme (hereinafter the discharger), has filed a Report Of Waste Discharge on November 25, 1992 for waste discharger requirements for the operation of a soil treatment system at their facility.
2. The discharger proposes treating a maximum of 18,000 cubic yards of petroleum hydrocarbon contaminated soil from the removal of abandoned underground storage tanks and appurtenances. Contaminated soil will be treated at a soil treatment facility located at the corner of 23rd Avenue and Trach No. 14 Road (Latitude 34° 10' 15", Longitude 119° 12' 45"). The remediated soils from the treatment facility will be used to construct a landscaped berm. The Navy expects the project to occur in two phases. The total project duration is expected to be two years.
3. The application included the document entitled *Underground Storage Tank Program Soil Remediation Plan*. This document identifies nine sites as part of the Phase I soil removal. An estimated eighteen underground storage tanks are in these nine sites. Soil will be transported to the treatment facility and laid on liner material and covered by liner material.

Two aerobic soil treatment units will be constructed at the facility. One unit will handle gasoline contaminated soils, the other will treat diesel and similarly contaminated soils. The treatment unit will be lined on all sides with high density polyethylene (HDPE) and air will be supplied through a series of three inch diameter slotted polyethylene pipe.
4. By letter dated November 20, 1992, the discharger proposed cleanup levels for the disposal of the remediated soil. The discharger generally followed Leaking Underground Fuel Tank (LUFT) Field Manual guidance in selecting the cleanup levels.
5. The treatment facility has been constructed so as to contain all storm water runoff to be used as nutrient transport water or discharged under separate requirements.

December 15, 1992

6. The Board adopted revised Water Quality Control Plans for Santa Clara River Basin on October 22, 1990. This Water Quality Control Plan contains water quality objectives for ground water in all Hydrologic Subareas within the Basin. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
7. Ground waters in the Santa Clara River Basin have beneficial uses which include municipal and domestic supply, agricultural supply, industrial process supply, and groundwater recharge.
8. The waste discharge requirements contained in this order would regulate such land treatment programs in accordance with Title 23, Division 3, Chapter 15, of the California Code of Regulations.
9. The discharger prepared a NEPA categorical exclusion document in April, 1992. Further, the project would temporarily effect a minor alteration to the condition of land, and is exempt from CEQA in accordance with Title 14, Chapter 3, Section 15304 of the California Code of Regulation.
10. These waste discharge requirements are not intended to alter any existing working arrangements relating to cleanup cases with local governmental agencies.

The Board has notified the interested agencies and persons of its intent to adopt waste discharge requirements for this land treatment facility and has provided them with an opportunity to submit their written views and recommendations.

The Board, in a public meeting, heard and considered all comments pertaining to the tentative requirements.

IT IS HEREBY ORDERED THAT:

- A. This Order shall serve as Waste Discharge Requirements for the temporary discharge of petroleum hydrocarbon contaminated soil to an on-site land treatment facility for land treatment processing of the soil.
- B. The following limitations shall apply to the on-site disposal of remediated soil:

<u>Parameter</u>	<u>Units</u>	<u>Maximum Allowable Concentration</u>
Total Hydrocarbons (gasoline)	mg/Kg	100
Total Hydrocarbons (diesel)	mg/Kg	250
Benzene	mg/Kg	0.3
Toluene	mg/Kg	0.3
Ethylbenzene	mg/Kg	1.0
Xylene	mg/Kg	1.0

- C. The operation of any temporary land treatment facility shall be in conformance with Title 23, Division 3, Chapter 15, of the California Code of Regulations, "Discharge of Waste To Land", including but not limited to Sections 2510; 2532(b-5); 2549; 2550; 2580; 2584; 2590 and the following special provisions:
1. Wastes discharged on-site for biodegradation by a land treatment process shall be limited to hydrocarbon contaminated soil found on site. No other waste material shall be imported for land treatment on-site. The land treatment process, which includes water, nutrients and bacterial addition to soil along with soil aeration in the treatment zone, shall be conducted in such a way that no contaminants are added to surface water or ground waters.
 2. For any proposed development on-site during the land treatment, closure and post-closure period, as defined in Title 23, Division 3, Chapter 15 of the California Code of Regulations, the discharger shall submit to this Board, written notification of such development.
 3. During the land treatment operations, surface runoff from the drainage area tributary to this site shall be prevented from passing over or percolating through the treatment zone. Adequate facilities shall be provided to divert all surface runoff from storms away from the treatment area.
 4. The treatment zone shall be bermed in such a way that storm water falling directly on the treatment zone will be contained. Standing water within the contained treatment zone shall be pumped down immediately and removed to treatment facilities on site or disposed of at a legal disposal site. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been established by a California Regional Water Quality Control Board, and which is in full compliance therewith.

5. No condition of pollution or nuisance shall be caused by the handling, treatment or reuse of the wastes or from any excavation operation conducted in association with this land treatment operation.
6. Odors from the handling, treatment or reuse of these wastes shall not be perceivable beyond the limits of the property owned or controlled by the discharger. The discharger shall demonstrate, to the satisfaction of the Executive Officer, a positive method for odor control, prior to beginning a full-scale land treatment operation.
7. All required state and local health department permits and/or variances and air quality permits and/or variances shall be obtained by the discharger prior to commencing the land treatment operation.

D. The following General Provisions Shall Apply:

1. A copy of these requirements shall be maintained at the discharge facility and be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these land treatment facilities, the discharger shall notify this Board in writing and shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to the Board.
3. In the event the discharger is unable to comply with any of the conditions of this Order due to:
 - (a) Breakdown of waste treatment equipment,
 - (b) Accidents caused by human error or negligence,
 - (c) Other causes such as acts of nature,
 - (d) Facility operations,

The discharger must notify this Board by telephone within 24 hours of the incident and confirm it in writing within one week of the telephone notification.

4. In accordance with Section 13260 of the California Water Code, the discharger shall file a report with this Regional Board of any material change or proposed change in the character, location or volume of the discharge.

5. In accordance with Section 13267 of the California Water Code, the discharger shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted.
6. Wastes discharged or reclaimed for reuse as soil backfill shall not contain any substance in concentrations toxic to human, animal, plant, or aquatic life.
7. Any off-site disposal of wastes shall be to a legal point of disposal and in accordance with the provisions of Division 7.5 of the Water Code.
8. The Regional Board and other authorized representative shall be allowed:
 - (a) Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - (b) Access to copy any records that are kept under the conditions of this Order;
 - (c) To inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - (d) To photograph, sample, and monitor for the purpose of assuring compliance with this Order, or as otherwise authorized by the California Water Code.
9. Following completion of the land treatment program on site, the discharger shall, implement a land treatment facility closure plan, which complies with the requirements of Article 8, Chapter 15, Division 3, Title 23, of the California Code of Regulations. As a minimum the plan shall include but not be limited to the following:
 - (a) continue all operations necessary to maximize degradation of waste constituents within the treatment zone,
 - (b) continue all ground water and unsaturated zone monitoring,
 - (c) continue all operations in the treatment zone to prevent runoff from the site containing waste constituents, and
 - (d) maintain the precipitation and drainage control systems.

10. In accordance with Section 13263 of the Water Code, these waste discharge requirements are subject to periodic review and revision by this Regional Board.
 11. These requirements do not exempt the discharger from compliance with any other laws, regulations, or ordinances which may be applicable, they do not legalize these land treatment and disposal facilities and they leave unaffected any further restraints on those facilities which may be contained in other statutes or required by other regulatory agencies.
 12. An appropriate Health and Safety Plan for all assessment and mitigation activities at the site shall be filed with this Board prior to commencing any land treatment activities.
- E. The attached Monitoring and Reporting Program is made a requirement of the order. During full-scale operation of the land treatment operation, a sampling and analysis program shall be implemented, in accordance with the attached Monitoring and Reporting program.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on January 25, 1993.

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES

MONITORING AND REPORTING PROGRAM NO. 7240
FOR
UNITED STATES NAVY
PORT HUENEME NAVAL CONSTRUCTION BATTALION CENTER
(LAND TREATMENT OF PETROLEUM HYDROCARBON CONTAMINATED SOIL)
(FILE NO. 92-59)

I. Reporting Requirements

The discharger shall implement this Monitoring and Reporting Program on the effective date of this Order.

The first monitoring report under this program is due on April 15, 1993. Thereafter, monitoring reports shall be submitted by the date in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

A "Final Project Completion Report" summarizing the final hydrocarbon contamination levels of the land treated soils, including laboratory analysis data, and indicate the quantity and the final disposition of the land treated material shall be submitted on completion of the land treatment project. A statement, signed by a responsible official of the discharger, shall be included stating that the land treatment was completed in accordance with the requirements and provisions of Order No. _____.

Each report shall contain the following completed declaration:

" I declare under penalty of perjury that the forgoing is true and correct.

Executed on the _____ day of _____ at _____

(Signature)
(Title)"

II. LAND TREATMENT FACILITY SOIL MONITORING

A soil sampling grid shall be established for the land treatment site and the sampling locations shall be located where representative soil samples can be obtained. Soil samples shall be collected and analyzed for the following parameters:

<u>Parameter</u>	<u>Units</u>	<u>Frequency¹</u>
Bacteria Plate Count	Colonies/gm	Quarterly
Total Hydrocarbons (EPA Mod. Method 8015)	mg/kg	Quarterly

Soil deemed treated shall be sampled and analyzed for the following parameters prior to disposal:

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
Total Hydrocarbons (EPA Mod. Method 8015)	mg/kg	1 sample/200 c.y.
CAM Metals	mg/kg	1 sample/200 c.y.
Volatile Organics (EPA Method 8020)	µg/kg	1 sample/200 c.y.

III. GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

- A. All sampling, sample preservation, and analysis shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedure for Analyses of Pollutants," promulgated by the United States Environmental Protection Agency.
- B. All Chemical and bacteriological analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board, or approved by the Executive Officer. No changes shall be made in sampling points without prior approval of the Executive Officer.
- C. All verification sampling requires 72 hours written and verbal notice to the Board in order for staff it participate in the sampling.
- D. The discharger shall maintain all sampling and analytical results, including strip charts, date, exact location, and time of sampling, date analysis were performed, analyst's name, analytical techniques used, and results of all analysis. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board.

Ordered by Robert P. Ghirelli
ROBERT P. GHIRELLI, D. ENV.
Executive Officer

Date: January 25, 1993

¹ A final sample shall be taken of the treated soil at the end of treatment and just prior to removal and reuse.