



Information for Norwalk Neighbors

FULL-SCALE TANK FARM CLEANUP BEGINS

DFSC Begins Cleanup in Central Portion of Tank Farm

Defense Fuel Supply Center (DFSC) recently began full-scale cleanup of soil and groundwater contaminated by fuel products in the central portion of the Tank Farm. Approximately 400,000 gallons of fuel product leaked in this area. Interim cleanup actions recovered 5,000 gallons. Investigations show that no floating fuel extends off-site from the central area.

The remediation system consists of four horizontal vapor extraction wells, eight water-only extraction wells, and sixteen total fluid wells. Additional horizontal vapor extraction wells may be added in the future. DFSC conducted a series of field and laboratory tests and feasibility studies to determine the most effective cleanup approach. As part of the studies, several different technologies were analyzed for site applicability, implementability, cost effectiveness, and treatment time.

The Remedial Action Plan Report, completed in September 1995, analyzed these tests and recommended the cleanup alternative. It was then reviewed and approved by the regulatory agencies and reviewed by the Restoration Advisory Board (RAB) (see page 2). System construction began in the fall of

1995. Vapor extraction began in April 1996 and groundwater extraction and treatment began in June 1996.

Contractors complied with all Health and Safety requirements during construction of the system and obtained all necessary permits before operation began.

State regulatory agencies closely supervise all work. DFSC monitors the system and will submit quarterly status reports to the agencies. ■

SFPP Begins South Side Cleanup and Reduces Community Noise Impacts

SFPP began constructing a remediation system in November 1994 to clean up the southern on- and off-site fuel product plumes. After testing and modifications, the system became operational on September 15, 1995. The system has two parts: soil vapor extraction and groundwater/free product recovery.

By June 1996, approximately 70,000 gallons of fuel were removed from the soil through soil vapor extraction. The fuel is properly disposed of through a thermal oxidizer. This soil vapor extraction part consists of 20 vapor

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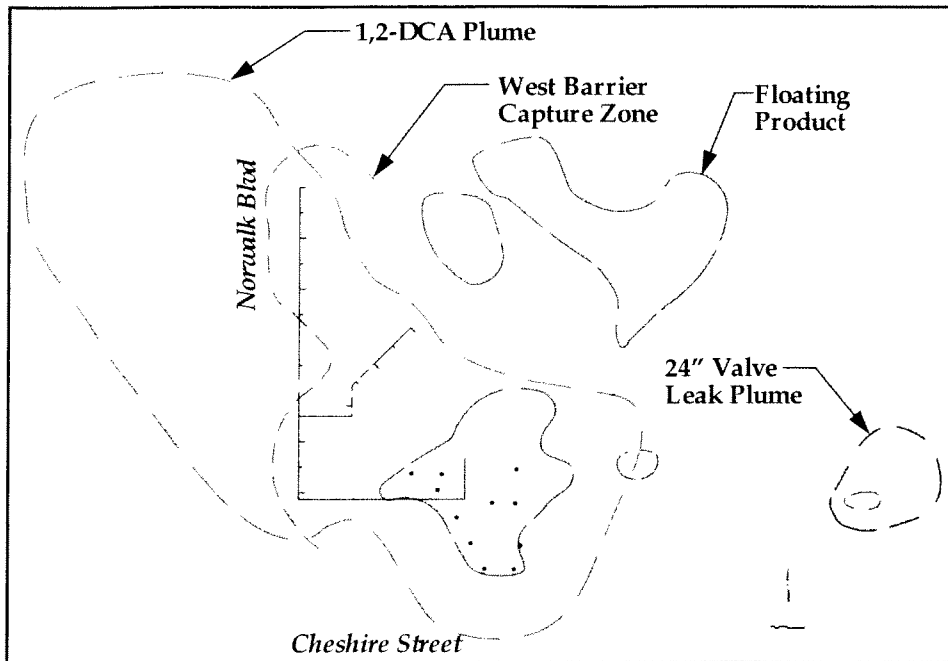
BACKGROUND

This newsletter is one in an occasional series designed to inform the public about the ongoing environmental investigations and cleanup taking place at the Defense Fuel Support Point (DFSP) Norwalk, also known as the Tank Farm.

The Tank Farm is a 50-acre fuel terminal with 12 aboveground storage tanks and associated pipelines located at 15306 Norwalk Boulevard. It stores and distributes jet fuel (JP-5 and JP-8) to military bases in California, Arizona, and Nevada. In addition, Santa Fe Pacific Pipeline Partners (SFPP) operates pipelines and a pump station along the south side of the facility. SFPP is the primary pipeline company for the distribution of both commercial and military fuels in the western United States.

Studies and investigations are ongoing to learn more about the soil groundwater contamination beneath the installation and off-site. This update provides an overview of the latest information from these studies and the remedial systems in place to clean up the contamination. Another newsletter will be mailed in the coming weeks. ■

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Plume Map

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extraction wells currently in use and five planned off-site wells not yet on-line, pending access permission from nearby property owners.

The groundwater/free product recovery system has pumped and treated approximately 120,000 gallons of water, recovering approximately 4,000 gallons of liquid fuel. Six product/groundwater extraction wells are in use. Three off-site wells are not yet on-line, pending access permission.

Southeast Side Cleanup

SFPP designed a separate system to clean up the 24" block valve leak on the southeastern side of the Tank Farm. The workplan received final regulatory approval in April 1996. The plan calls for fuel product skimming, vapor extraction, and dissolved

contamination cleanup.

System installation is scheduled for September 1996. The cleanup system is due to be operational in November 1996.

Noise Study

SFPP conducted a noise study in October 1995 to determine the system's potential noise impact on nearby residents. The results, which were discussed at RAB meetings, showed the remediation system exceeded city night-time noise ordinances. SFPP has installed noise reducing measures on the thermal oxidizer blower and the Goldenwest valve. SFPP is also conducting survey activities for pipeline operational equipment. Results of that survey will be discussed at a RAB meeting when available. Based upon the survey results, SFPP will consider appropriate noise reduction technologies for implementation. ■

RESTORATION ADVISORY BOARD (RAB)

The RAB is comprised of representatives from DFSC, SFPP, the regulatory agencies, and the community. The RAB meets quarterly to discuss the environmental investigation and cleanup of the Tank Farm. All meetings are open to the public and are announced in the Norwalk Herald American, Press Telegram, and the Southeast Cities Tribune. The next RAB meeting is scheduled for Thursday, October 24, 1996 at 6:30 p.m. in the City Hall Lower Level Conference Room. ■

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FOR MORE INFORMATION . . .

The Tank Farm Information Repository provides easy public access to project information. The Repository contains technical reports and other documents about the environmental activities at the Tank Farm, including Remedial Action Plans and Groundwater Monitoring Reports. The public is encouraged to examine these documents at the following location:

**Norwalk Public Library
Reference Section
12350 Imperial Highway
Norwalk, CA 90650
310-868-0775**

Hours:	M, Tu, W	10:00 a.m. to 8:00 p.m.
	Th	10:00 a.m. to 6:00 p.m.
	Sa	10:00 a.m. to 5:00 p.m.

Closed Friday, Sunday, and Holidays

GLOSSARY

Free Product Recovery:

Refers to the fuel on top of groundwater which is skimmed off and properly disposed.

Groundwater: Concentrations of water trapped in or moving through fractures, cracks, cavities, and pore spaces under the ground.

Groundwater underneath the Tank Farm is found at 25 to 35 feet below ground surface and is not drinking water.

Soil Vapor Extraction: A process in which chemical vapors are extracted from the soil by applying a vacuum to wells.

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If you did not receive this newsletter in the mail, then you are not on the Tank Farm mailing list. To be added to the list, please complete this form and send it to:

**Tim Whyte
Woodward-Clyde Federal Services
2020 East First Street, Suite 400
Santa Ana, CA 92705**

Name _____

Address _____

Phone _____ Fax _____

Organization/Affiliation _____

Comments _____

TANK FARM ENVIRONMENTAL CLEANUP: WHO'S WHO

Two state agencies regulate all environmental actions at the Tank Farm: the Department of Toxic Substances Control (DTSC); and the Regional Water Quality Control Board, Los Angeles Region (RWQCB). Both organizations are part of the California Environmental Protection Agency. All work must also comply with regulations from the South Coast Air Quality Management District (SCAQMD) and the Los Angeles County Health Department.

Defense Fuel Supply Center (DFSC), Fort Belvoir, Virginia, supplies fuel to U.S. military bases through Defense Fuel Support Points. Locally, Defense Fuel Office-Los Angeles (DFO-LA, formerly known as Defense Fuel Region-West) runs the Tank Farm with the help of Gatron Industries, the contractor operator that recently took over for Tenco Services, Inc. Santa Fe Pacific Pipeline Partners, L.P. (SFP), the primary pipeline company for the distribution of both commercial and military fuels in the western U.S., runs a pump station and

pipelines on a two-acre easement along the southern border of the Tank Farm. Two environmental and engineering consultants conduct activities at the site: Fluor-Daniel GTI (formerly Groundwater Technology, Inc.), under contract to DFSC; and Geomatrix Consultants, Inc., under contract with SFP. Woodward-Clyde Federal Services provides public involvement support to DFO-LA. ■

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