



## Information for Norwalk Neighbors

### TANK FARM CLEANUP CONTINUES AS RAB WELCOMES NEW CO-CHAIRS

This newsletter is designed to inform the public about the ongoing environmental cleanup taking place at the Defense Fuel Support Point Norwalk, also known as the Tank Farm, located at 15306 Norwalk Boulevard. A citizen-based Restoration Advisory Board (RAB) meets quarterly to review and comment on the cleanup progress.

#### DESC

Lt Col Bruce Hover, the new military RAB Co-Chair, became commander of Defense Energy Office-Los Angeles (formerly Defense Fuel Office-Los Angeles) in October 1997. The Defense Energy Office operates the Tank Farm, which stores and distributes jet fuel to military bases in California, Arizona, and Nevada. Defense Energy Office's headquarters is the Defense Energy Support Center (DESC, formerly Defense Fuel Supply Center) in Fort Belvoir, VA.

#### Kinder Morgan

The Kinder Morgan RAB Co-Chair is Mr. Scott Kilkenny. Kinder Morgan Energy Partners (Kinder Morgan) pur-



Lt Col Bruce Hover (Defense Energy Office), Mary Jane McIntosh (Norwalk citizen), and Scott Kilkenny (Kinder Morgan) are Co-Chairs of the Norwalk Tank Farm RAB.

chased Santa Fe Pacific Pipeline Partners in March 1998. Kinder Morgan operates a pump station and pipelines on a two-acre easement on the southern border of the Tank Farm. Kinder Morgan is the primary distributor of commercial and military fuels in the western United States.

#### Cleanup Background

Environmental investigations began at the Tank Farm after fuel was discovered on- and offsite in the soil and groundwater. Full scale cleanup began in 1995. The Regional Water Quality Control Board

(RWQCB), a division of the California Environmental Protection Agency, regulates and supervises the cleanup. Studies have shown prior fuel releases do not pose a threat to human health.

#### Consultants

Fluor Daniel GTI conducts cleanup operations for the Defense Energy Support Center. Geomatrix Consultants conducts cleanup operations for Kinder Morgan. Woodward-Clyde provides public involvement support to Defense Energy Office-Los Angeles. ■

*Si quiere una copia de este boletín en español, por favor llame al (714) 835-6886.*

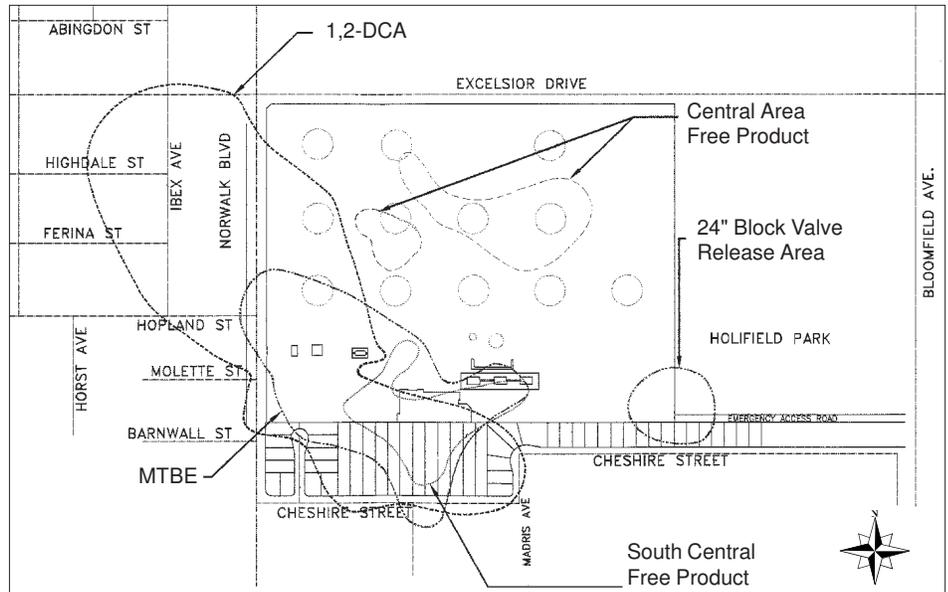
# WESTERN OFFSITE CLEANUP PLAN UNDERWAY

As stated in the Fall 1996 No. 2 newsletter, a subcommittee of the Restoration Advisory Board was formed to address the western offsite contamination. The subcommittee, called the Offsite Chemicals Cleanup Subcommittee (OCCS), developed a document called a Risked-Based Corrective Action (RBCA) Workplan.

The OCCS consists of two RAB community members, two experts from the academic community chosen by the RAB, and one representative of DESC, Kinder Morgan, RWQCB, Fluor Daniel GTI, and Geomatrix. This unique and democratic process allows input from all interested stakeholders from beginning to end.

Risked-Based Corrective Action is a scientific process to determine risks associated with the chemicals in the ground and to evaluate cleanup requirements. Decisions related to cleanup methods and goals are based on current and potential risks to human health. The Workplan presents an approach to address the chemicals that have traveled offsite from previous releases on the Tank Farm.

The OCCS took all viewpoints into consideration during development of the Workplan, paying close attention to community concerns. The Workplan was reviewed by the Restoration Advisory Board. A



Map showing approximate extent of groundwater plumes at the Norwalk Tank Farm. The plumes are encountered at a depth of approximately 30 feet below ground.

public meeting was held on March 12, 1998, to solicit input from the general public. The plan was submitted to the Norwalk City Council and Regional Water Quality Control Board for review in June 1998.

Kinder Morgan began field work in June 1998. Major steps of the RBCA process for the western offsite plume cleanup, as outlined in the Workplan, include:

- Collation of site data
- Computer-based groundwater modeling

- Identifying and quantifying exposure pathways
- Calculating a cleanup goal
- Identifying and implementing a cleanup technology.

The OCCS gives timely updates on the progress at each Restoration Advisory Board meeting. Workplan implementation is expected to take approximately six months.

An implementation schedule for the appropriate cleanup technology is expected to be in place in early 1999. ■

<b>Norwalk Tank Farm Cleanup Statistics</b>					
<b>As of 4/23/98</b>					
Cleanup Area	System Startup	Free Product Recovered	Fuel Destroyed	Total	Water Pumped and Treated
Central	April 1996	43,000 gal.	40,000 gal.	83,000 gal.	7.5 million gal.
South-central, Southeast	Sept. 1995	7,580 gal.	208,000 gal.	215,580 gal.	10.1 million gal.
<b>Total</b>		50,580 gal.	248,000 gal.	298,580 gal.	17.6 million gal.

# SUCCESSFUL ON-SITE CLEANUP CONTINUES

Tremendous progress has been made since full scale cleanup began on-site. Kinder Morgan's remediation system in the south-central area became operational in September 1995. DESC's remediation system in the central area became operational in April 1996.

The westside barrier system, consisting of eleven groundwater extraction wells, became operational in October 1996 and works to remove chemicals from the groundwater and to stop the flow of contamination offsite from the Tank Farm.

**The combined cleanup effort has removed and treated over 17 million gallons of contaminated groundwater and over 250,000 gallons of liquid and vapor phase fuel.**

In April 1997, Kinder Morgan began cleanup of the 24" Block

Valve release on the south-east side of the property. The latest monitoring report indicated no further evidence of free product in the area.

The system continues to treat MTBE and benzene in the soil.

## Monitoring

Groundwater at the Tank Farm is tested twice per year to determine the size and extent of the contamination plumes. Sampling results are presented and discussed at the regular RAB meetings. Monitoring reports are available in the Information Repository.



DESC's cleanup system in the central area of the Tank Farm is shown here during a recent site tour. It has a recovery rate of 1,000 gallons per month.

The primary chemicals tested for include benzene, TPH (total petroleum hydrocarbons), 1,2-DCA (1,2-dichloroethane), and MTBE (methyl tertiary butyl ether).

No drinking water wells are affected. The latest sampling results show the plumes are mostly decreasing in concentration and size. ■

## FOR MORE INFORMATION . . .

If you have any questions, comments, would like copies of previous newsletters, or want to be added or deleted from the mailing list, please contact one of the representatives listed below:

Hugh Marley  
California Regional Water Quality  
Control Board - Los Angeles Region  
101 Centre Plaza Drive  
Monterey Park, CA 91754  
(213) 266-7669  
(213) 266-7600 FAX

Joe Trani  
Environmental Engineer  
Defense Energy Office-Los Angeles  
3171 North Gaffey Street  
San Pedro, CA 90731-1099  
(310) 335-3090, ext. 106  
(310) 335-3099 FAX

Scott Kilkenny  
Director, Environmental Remediation  
Kinder Morgan Energy Partners  
1100 Town and Country Road  
Orange, CA 92868  
(714) 560-4879  
(714) 560-4884 FAX

Tim Whyte  
Public Involvement Specialist  
Woodward-Clyde  
2020 East First Street, Suite 400  
Santa Ana, CA 92705  
(714) 835-6886  
(714) 558-0784 FAX

Or, visit the information repository to review RAB meeting handouts and minutes and project documents such as the RBCA Workplan:

Information Repository  
Norwalk Public Library  
Reference Section  
12350 Imperial Highway  
Norwalk, CA 90650  
(562) 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.

## Letter from the RAB Community Co-Chair

Dear Fellow Norwalk Residents:

As Community Co-Chair for the Norwalk Tank Farm RAB, I am proud of the efforts we have made this past year towards cleanup of the contamination located at the Tank Farm facility. With stronger cooperation between DESC and Kinder Morgan Energy Partners, and the dedication of our board members, we have made great progress in installing the remediation systems needed to clean up the facility. In addition, we have remediation plans in the works to address the offsite plume.

As many of you are aware, the RAB is comprised of community members, just like yourselves, and representatives from DESC and Kinder Morgan, along with representatives from various government agencies. Our meetings are held quarterly, are open to the public, and are advertised in the local newspapers. I would encourage all residents to attend our meetings and see first hand the progress being made at the Tank Farm facility. The health and welfare of our residents depends on its success. Thank you for your continuing support.

Mary Jane McIntosh  
Community Co-Chair  
Norwalk RAB

**RESTORATION ADVISORY BOARD (RAB)**  
Project personnel regularly give updates on the environmental cleanup at RAB meetings, which are open to the public. The RAB consists of Norwalk citizens, state regulatory officials, city representatives, Kinder Morgan, and DESC. The next quarterly RAB meeting is scheduled for **Thursday, July 30, 1998 at 6:30 p.m.** in the City Hall Lower Level Conference Room.

**Defense Energy Office-Los Angeles  
3171 North Gaffey Street  
San Pedro, CA 90731-1099**

**Norwalk Tank Farm  
Restoration Advisory  
Board Meeting:  
Thursday, July 30,  
1998, 6:30 p.m.  
Norwalk City Hall.**

This newsletter is printed on recycled paper.

