



# Community

## SHELLEGRAM

Issue No. 2, 1993

### Construction of new Coker plant gets green light

Shell Deer Park got the go ahead recently from The Texas Air Control Board (TACB) and the Environmental Protection Agency (EPA) to build a delayed coker unit, one of the major components of a \$1 billion Refinery Upgrade Program at the Complex.

The permit was received ahead of schedule, according to employees involved with the project. Preliminary construction began May 1.

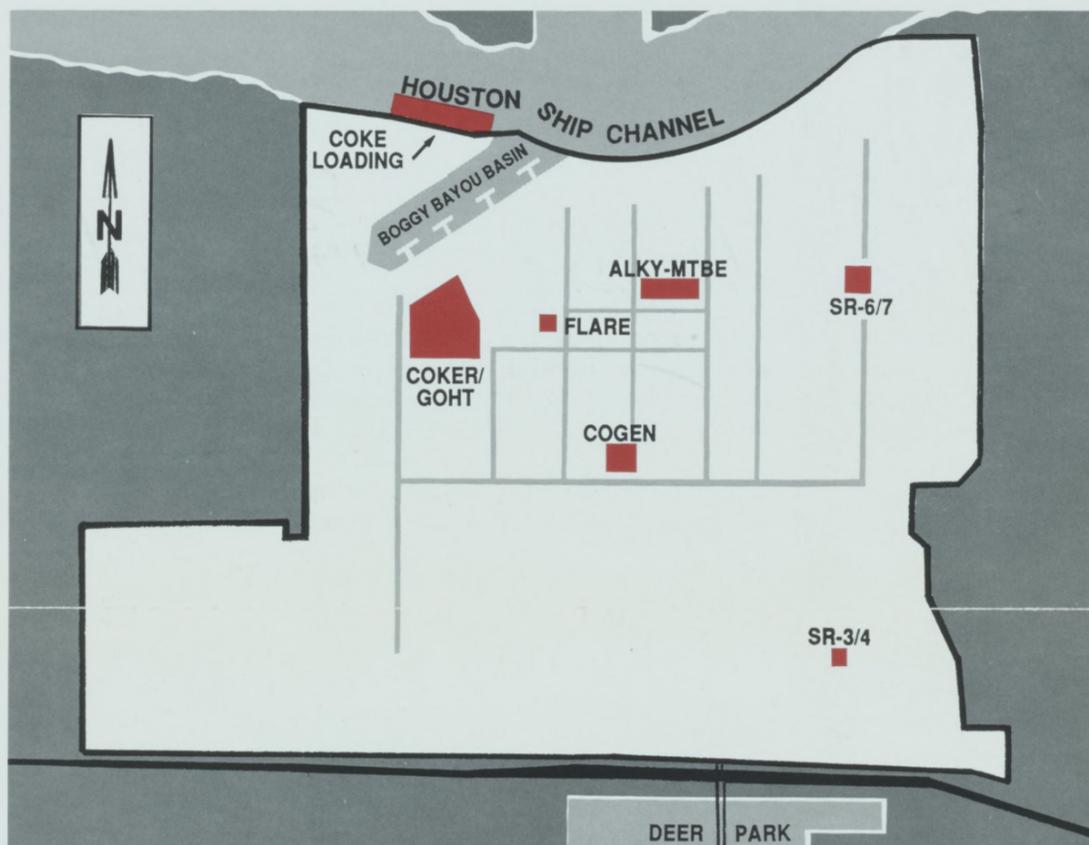
The coker will enable DPMC to convert petroleum into higher quality, higher value jet fuel, diesel fuel and gasolines, one component of an effort to improve the refinery's global competitiveness, operating efficiency, and long-term economic viability.

The upgrade as a whole is also expected to result in a significant reduction in total air emissions produced by DPMC operations and create as many as 3,000 construction jobs.

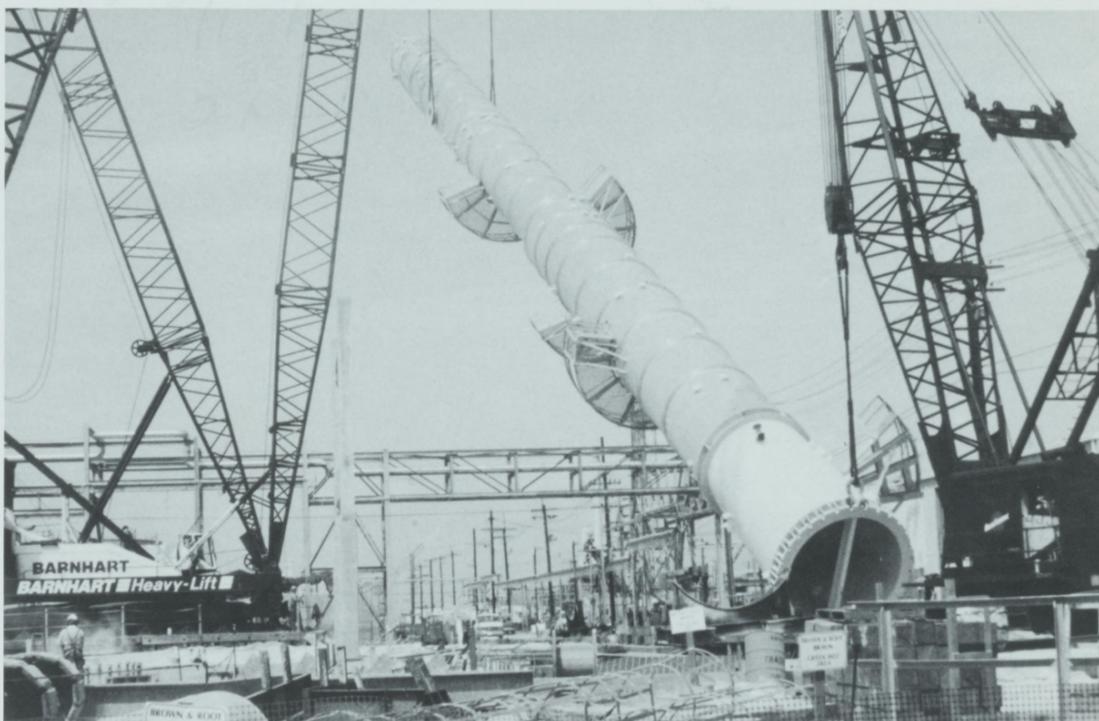
Representatives of the coker project say every attempt is being made to minimize traffic congestion on Center Street. Construction crews will use the U-turn at the refinery to enter the construction parking lot on Highway 225. Shipment of large equipment by rail and barge will be used whenever possible.

Other components of the upgrade program include hydrotreater and sulfur recovery units, a Clean Fuels Project (an Alkylation Plant that will produce a high-octane component used in reformulated gasoline; and MTBE Plant, which will produce a high-octane gasoline component used to reduce carbon monoxide emissions), and a Cogeneration Power Plant which uses surplus fuel and natural gas to generate electricity and steam used by the Complex. Construction of the Alkylation and MTBE plants has been approved and is already underway.

"Receiving the air permit in a very timely fashion shows what can happen when industry and government regulatory agencies work closely together providing complete, thorough information," says DAN BURT, superintendent, Major Projects. "This quick approval is good for both the economy and the environment as this construction project will provide a significant number of jobs—construction and permanent—and will reduce air emissions at our Complex."



Construction will be nearly invisible to residents of Deer Park since the new units are deep within the confines of the Shell Complex.



CONSTRUCTION—A catalytic distillation reaction column in the MTBE Unit is moved to its foundation. The column is 180 feet tall and 10 feet in diameter. The column's home is the new Alkylation/MTBE Complex, which is designed to produce gasoline components for reformulated gasoline and reduce carbon monoxide emissions. Start-up is expected to begin in the first quarter of 1994.





## A glimpse at emergency response

# Ready and able

In case of an emergency, Shell Deer Park Manufacturing Complex (DPMC) and the City of Deer Park stay prepared to eliminate danger and communicate to the community with all necessary speed.

Emergency response within the Shell Complex begins when an individual discovers an emergency situation and dials an internal telephone number at the Complex. From that moment forward, a system kicks into place to handle the emergency and to inform Shell employees, community residents and businesses.

Everything happens automatically, according to ROGER DeRICK, a representative of the Health & Safety Dept. Audible alarms are sounded throughout the Complex and emergency response teams validate response plans.

Shell Deer Park has a Fire Crew Team, Marine Oil Spill Team, Shell Medical &



Rescue Team (SMART), a Hazardous Materials Response Team and auxiliary fire crews who train monthly to respond quickly and correctly to any emergency. DPMC also can call on its industrial neighbors for additional help through a collective effort known as Channel Industries Mutual Aid (CIMA).

While events are unfolding, Shell communicates speedily with the City of Deer Park's Emergency Operations Center (EOC). Shell even dispatches personnel to the city's EOC to provide emergency information.

If an emergency could affect Shell's

neighbors (even if that means only that residents see smoke or hear a lot of noise), Shell records a message on the CAER Hotline, 479-CAER (479-2237), an information system set up by local industry for residents to call for information during an emergency or any other

### What are flares?

Flares are those flames you see burning from the tops of towers scattered throughout the Deer Park Manufacturing Complex. As part of the safety design, flares occasionally are used to safely eliminate product that can't be recovered by any other means.

If a pressure surge should occur in a piece of equipment, a relief valve opens and depressurizes the line by venting product to a flare so that it may be burned harmlessly away.

### What's released into the air when a flare of hydrocarbon gas is burned?

Carbon dioxide and water, the elements used by nature to create food and oxygen for plants.

industry condition

such as unusual noise or flare activity. Recently, Shell flared twice and put messages about that flaring on the CAER hotline.

The City then communicates with residents and public facilities through a series of networks—an audible outside alarm system which offers audible messages as well as an alarm sound, and a computerized Community Alert Network (CAN) programmed to call every phone number or selected affected areas in the city with a recorded message. Live communication also is broadcast by radio station 530 AM.



COMPOSTING—Shell Explorers and Deer Park High School Environmental Science Club members complete the assembly of a Compost Corral, a composting container they sold and installed in area homes to help reduce their community's solid wastes. Pictured are (l-r) Felipe Martinez, Jr. (SEP), Nathan Knutson (ESC), Veronica Zvolensky (SEP), Frances Lamb (SEP), and Charles Ballard.

## Youth bring composting to neighborhoods

The Shell Explorer Post and Deer Park High School Environmental Science Club joined together to form a recycling partnership to reduce solid wastes in Deer Park landfills.

The two groups built and sold Compost Corrals, galvanized wire mesh circular enclosures which hold two yard of compost. The compost corrals sold for \$5 and were accompanied by an instruction booklet with easy composting tips.

"We want to help Texas meet its goal to reduce the disposal of solid wastes in landfills by as much as 50 to 60 percent by the year 2000," says WAYNE DRASTATA, vice president of the Environmental Science Club. The goal is included in the Clean Texas 2000 program, a state-wide program sponsored by the Texas Water Commission to improve environmental awareness and performance.

The Compost Corral program provides twice the environmental benefits, according to Shell Explorer Post President FELIPE MARTINEZ, JR. "The Compost Corrals help recycle yard wastes which reduces materials hauled to landfills, and we will use money from this effort to plant trees in our area."

For each compost corral sold, Shell Deer Park donated \$5 to the two youth organizations for use in planting trees or environmental gardens in the City of Deer Park.

## How to reach Shell Deer Park

246-6247 Daytime calls  
(Community Relations)

246-7600 24-hour calls  
(Community Hotline)



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Deer Park Manufacturing  
Complex

All inquiries should be  
addressed to  
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