

SHELL *e* g r a m

D E E R P A R K

Shell Deer Park Chemical Plant Hosts Science Teachers

Approximately 60 high school science teachers from across Texas spent one day at Shell Deer Park Chemical Plant in July as part of a program sponsored by the Texas Chemical Council. During their visit, the teachers had the opportunity to learn about the chemical industry and receive first-hand experience in an actual work setting. The teachers visited with several local companies, but while at Shell Deer Park, the topic was safety and the environment.

Dale Taggart, a staff analytical chemist, and Louis Brzuzy, an engineer in environmental operations, were part of the organizers of the SDPCP tour. "We tried to keep lecturing to a minimum and involvement to the maximum," stated Taggart. And there was plenty for the teachers to do and see.

The teachers saw the biotreaters in action and viewed a display of ground

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A Fish Tale

(and a whale of a rescue)

When "Slick" Wortham became a member of Shell Medical Alert Response Team (SMART) about a dozen years ago, he had no idea that his emergency training would ever be required for such a personal experience. But while fishing off a reef in the Trinity Bay with a friend, Wortham's training was put to the ultimate test when he saved the life of a close friend.

Wortham and his friend were wade fishing on a reef when a water spout appeared and washed them into water that was seven to eight feet deep. (According to Wortham, most bay wade fishermen do not wear flotation equipment because they are in such shallow water.) Both men tried to swim back to the reef, but the current and wave combination were too strong, so they headed for their boat. "My buddy is a good swimmer, but he went under the water," Wortham says. He continues, "Although we were connected by straps, I had

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Not enough can be said or written about the health and safety of our internal and external communities. For this reason, you'll see a good portion of this Shellegram devoted to the topic. In particular, in a very touching story you can read how emergency medical training received at Shell Deer Park helped a worker save the life of a friend. Additionally you can read about the Refinery kicking off a new safety program and the new telephone system in the Chemical Plant that provides better communication between neighboring plants.

Also on the topic of safety, Shell Deer Park employees have worked to ensure that the Refinery and Chemical Plant are ready for the first day of the new millennium, but what steps are they taking at home? Read what they had to say and also learn how you can obtain an American Red Cross booklet on the subject.

Other topics in this issue include information about voluntary diversity workshops held at Shell Deer Park and the annual visit by high school science teachers to the Chemical Plant.

Does Shellegram contain the information you want to know about? We always want to hear from you, so contact us with your story ideas.

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A Fish Tale

to disconnect from him because he was pulling me under."

Once Wortham got back to the boat, he immediately started searching for his friend. Fortunately, the cork on a fishing stringer attached to the belt of Wortham's friend was floating on the top of the water. This enabled Wortham to spot his buddy. After pulling his friend into the boat and performing CPR for four to five minutes, Wortham felt a pulse and his friend began to take shallow breaths, but he was unconscious.

Wortham drove the boat to a local bait house where he called 911. When EMS from Tri-City Beach arrived, Wortham was very excited and relieved to see two familiar faces: Mike Muir and "Stick" Guidry, both team members of SMART. Muir and Guidry continued rescue procedures as they rushed Wortham's friend to San Jacinto Hospital in Baytown. Once at the hospital, doctors were able to administer advanced respiratory therapy to Wortham's friend following a brief stay in ICU. David has made a full recovery from his accident.

Today, Wortham believes even stronger in the importance of safety training ... and the existence of guardian angels. Wortham offers a special thanks to Robin Adair and Richard Haydock for countless hours of EMS training, but adds, "All the glory and honor belong to God."

DHST Says

'Take Us Out To the Ball Game'

Health and Safety leadership expressed their appreciation to members of the Departmental Health and Safety Teams (DHST) with an outing to a Houston Astros' baseball game. This first-time event recognized employees from both the chemical plant and the refinery for their hard work in implementing processes that prevent injuries.

The efforts of DHST have brought about significant site-wide improvements in health, safety and environmental performance over the past several years. "We wanted to reward team members for their work in ensuring the safety and health of the employees and other workers, and providing a reliable and efficient operation of the facility," commented Kenney Moore of Shell Deer Park Chemical Plant. Jerry Williamson from the Shell Deer Park Refining Company stated DHST was also recognized for "protecting the environment and minimizing the risk of product or property losses."

In all, approximately 700 DHST members and guests attended baseball games in August and September. The evenings included transportation from the plant or a parking pass at the Astrodome, seating in a Sky Box and all the "dome dogs" attendees could eat.

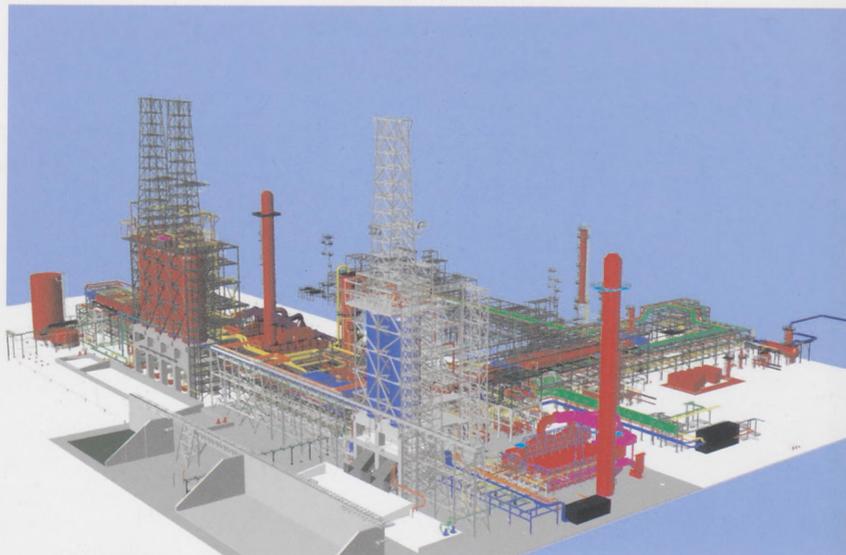
Progress Continues on Maya II

Shell Deer Park Refining Company received its Environmental Permit for the Maya II Project from the Texas Natural Resource Construction Commission (TNRCC) on July 16, 1999. With the completion of Site preparation work and receipt of the construction permit from the TNRCC, actual foundation work will soon begin to expand the crude, coking, and other processing facilities at SDPRC.

The first stage of the construction work is to build the walls of the coke pit and the foundations for the new sulfur plant, post fractionator and vacuum flasher. Although these activities will not be apparent, because initial work will take place in excavated areas, additional vehicles and workers will be visible. Contract workers will be using Gate 34 off Highway 225 service road in the far southwest corner of the complex. Dan Burt, vice president of Major Projects, commented that once construction is in high gear next year, approximately 1,500 contract workers will be helping with the project, and assistance with traffic will be provided by the Sheriff's department.

The first visible milestone for Maya II will be placing the coke drums, which is scheduled for April 2000. In fact, it will be hard to miss the coke drums when they are lifted, because each is 122 feet long and 28 feet in diameter. Yet the coke drums, which weigh 317 tons each, are not as heavy as the new DHT reactor, which has four inch thick steel walls and weighs 325 tons.

Burt provided some interesting facts about Maya II. According to his calculations, over 28,000 yards, or approximately 3,000 truckloads, of concrete will be needed to complete the project. During construction, 3,800 tons of structural steel will be used, as well as 225,000 feet of pipe and 750,000 feet of electrical cable.



Maya II Expansion Of Deer Park Coker

MAYA II		
materials needed for completion		
C O N C R E T E		
28,000 yards	3,000 truckloads	
STRUCTURAL STEEL		
3,800 tons	PIPE	225,000 ft.
ELECTRICAL CABLE		750,000 ft.
C O K E D R U M S		
122 ft. long	28 ft. in diameter	317 tons each
D H T R E A C T O R		
4 inch steel walls	325 tons each	

Startup is scheduled for the spring of 2001.

Continued from cover

Plant Hosts Science Teachers

water treatment. "Our visitors were amazed by the capabilities of the biotreaters," Taggart commented. The group also was taken to see out-fall of wastewater at the ship channel.

Brzuzy and others from environmental operations arranged for several exhibits of safety equipment and materials, as well as displays of hazardous and emergency team procedures. "We were able to arrange a live demonstration by the fire team, which was very impressive," Brzuzy said.

Attending the program was Kay Greier from McAllen, Texas. Although her father retired from the Shell Production Unit in McAllen after 40 years, Greier stated she did not realize the size of the manufacturing facility. Greier said it would now be easier for her to make the connection from the classroom to the workplace for her students. "I really liked the way the lectures coincided with the facility tours," Greier commented.

Another attending teacher was Judith Sheedy from Nolan Catholic High School in Forth Worth, Texas. Nolan also commented on how she can now relate field information to the students in her classes.

"I'm especially excited about being able to see high-tech equipment in use," Sheedy stated. "Some of the equipment, such as the spectrometer that measures the weight of a molecule, we have only read about in books."

The sponsoring body for the high school science teachers is the University of Houston. In particular, Taggart commented on the efforts of Dr. Gene Chiapetta of the Education Department, who works to bring the teachers together every year to the Science Teachers' Institute. "After the teachers leave the plant, their perceptions are very positive and it influences what they teach and say about our industry," Taggart concluded.



Left to right,
Judith Sheedy,
and Kay Greier



"After the teachers leave the plant, their perceptions are very positive and it influences what they teach and say about our industry."

Chemical Management and PACE Sponsor Diversity Workshops

To encourage a better understanding of the cultures, beliefs and perspectives of a diverse workforce and create a more inclusive working environment, Shell Deer Park Chemical management, PACE, Local 4-367 Workers' Committee and Officers, and the Diversity Council sponsored a one-day, voluntary workshop. During the session, topics such as the meaning of diversity and why SDPCP, PACE and the Diversity Council support diversity were presented and discussed.

As explained by the Diversity Council, people differ in many ways: gender, race, lifestyle, experience, age, culture, marital status, caregiver, religion, where we come from, educational background, etc. Respect for each individual's diversity creates a work place that is fair and enjoyable, and that can lead to improved business results. A diverse work force can also be more innovative in solving problems, improving products and processes while attracting the best employees and serving the

customer and community.

The positive views on diversity training are echoed by PACE, according to Terry McMillan, an electrician at SDPCP and a UNIT Vice President of the PACE local. Prior to participating in the one-day voluntary training, McMillan also attended a three-day diversity training session. Although McMillan stated that he has always believed in treating people the way he wants to be treated, he also commented, "The training was very enlightening and

reinforced what I already knew."

Due in part to company support and the support of PACE, the Diversity Council believes the recent workshop provided attendees with a deeper understanding of diversity-related issues. In fact, the Diversity Council eagerly looks forward to following up the workshop with additional information on the benefits of diversity. As a go-forward strategy is developed, information will be presented in various formats, including the Shellegram.

A diverse work force can also be more innovative in solving problems, improving products and processes while attracting the best employees and serving the customer and community.

Interplant Communication Team Dialogue Between Plants

Shell Deer Park Chemical Plant is working on a new phone system between the chemical plants, Lubrizol Deer Park Plant, Oxy and Rohm and Haas Texas, Inc., Deer Park. The purpose of the new system is to provide better communications between the neighboring plants, which will also help keep our internal and external communities safer in the case of an emergency.

Larry Smith, Environment Supervisor, and Robert Pickering, Health and Safety Training Coordinator, are members the Interplant Communication Team at the chemical plant. They have been working with Southwestern Bell to install the new communication system. The new telephones have recently been installed and are located in security and the emergency operations centers. Smith explains that to operate the new emergency phones, the operator has to first input a code. Then, if no one answers within a 15 second

period, the caller can leave a message. "After the message is entered, the new phone system continually rings in all the facilities until someone picks up the phone and receives the message," Smith stated.

Rich Bourns, Environmental Compliance Manager said the old phone system was installed in the mid 1990s, when a problem at one plant impacted another. Since that time, Interplant Communication Teams at the neighboring plants have been meeting on a regular basis. The teams have developed a manual with information about all the plants, including products that can impact the community, and common procedures to follow within the plants in case of an incident. The group also conducts awareness tours at each of the plants so team members become familiar with plant structures and get to know each other.



The Shell Station at Fairmont Parkway and Beltway 8 in Pasadena sponsored a car wash on August 28th for the Deer Park High School Escort Drill Team. Escort dads organize yearly car washes for the team and have made this fundraising event one of the most successful. The team raised approximately \$2,000 that will go toward scholarships for the girls.

Pictured (left, to right) Ashley Procter daughter of Terry Proctor-Electrical Discipline Leader Deer Park Chemical, and Lauri Chapa.

Leadership at Shell Chemical Responds to Employees' Requests

Pictured are Shell Chemicals executive vice presidents Rein Willems and Graham Ferris during an engagement session.

Members of the Chemicals Executive Committee (CEC) are enthusiastically responding to employees' requests for more face-to-face dialogue on key business issues. Through a series of ongoing engagement sessions held at locations around the world, including Shell Deer Park, the CEC is answering tough questions about the actions they are currently pursuing, such as cost leadership, business divestment and the establishment of a clear investment strategy. The engagement sessions are considered by the CEC as a valuable opportunity to convey Shell Chemicals' positive message and reinforce everyone's role in delivering business improvements.



*Rein Willems,
Exec. V.P., Shell
Chemical*



*2nd from left:
Graham Ferris, Exec. V.P., Europe and Africa*

Y2K Home Preparations for

Shell Deer Park has its plant-wide preparations to ensure that the facility is up and running on the first day of the new millennium. Shellegram has provided progress reports on testing of process controls, servers, personal computers and applications throughout the plant. Those involved are confident about the readiness of the plant's technology, but what steps are they taking at home?

Some individuals who are part of the overall team that is making sure Shell Deer Park will operate without interruption on January 1, 2000, stated that at home, they will prepare for the new millennium the same as they would prepare for a storm. "I'll make sure I have gas in my car, and nonperishable foods and stored water in the house," said Caron Roberts. Alan King is taking this same approach at his house, but added, "I'll have plenty of flashlights and extra batteries on hand, just as I would for a hurricane."

Other recommendations by team members Clay Gorham, Janet Fox and Jeff Pratt included having some extra cash or traveler's checks on hand in case ATM cards, credit cards and the like cannot be processed. Each also suggested that you keep a copy of credit card and bank statements from 1999, so you can verify their accuracy after the first of the year.

Y2K is not just a problem that might affect the computer-controlled electronic equipment at large companies and businesses. Roger Erfurd and Alex Cuclis stated that our personal computers are not immune. Cuclis said, "People with home computers should check with their hardware and software manufacturers or vendors to see if there are any computer-based problems with the 2000 dates."

Because no one can be certain about the effects of the Y2K problem, the American Red Cross has developed a homeowner checklist. You can print the American Red Cross recommendations from their website, or you can call Cecilia Vasquez at ext. 6024 for a copy of the informative booklet. Either way, the Y2K deadline is one that cannot be postponed, so stay informed and be prepared.

Chemical Entrances

A Mendoza

Foreman Maintenance
Chemical Facilities Central
Maintenance

William Kennedy

Manager Business Services
Administration- Business
Services

M I L E S T O N E S

Chemical Exits

MP Cerrone

Control Systems Technician
Solvents-Central Systems
Technician #1
Retired 7-31-99

Robert Chepulis

Senior Engineer
Make Change
Retired 7-31-99

Heungwoo Chun

Senior Engineer
Technical Engineering Support-
Pressure Equip
Retired 7-31-99

LW Clark

Foreman Operator
Make Change
Retired 7-31-99

Jerry Clinkscales

Staff Representative
Technical-Solvents
Retired 7-31-99

EN Collins

Senior Inspector
Tech-Engineering Support-Pressure
Equip-Resins
Retired 7-31-99

O Collins

Senior Inspector
Tech-Engineering Support-
Mechanical Equip-Resins
Retired 7-31-99

*Editor's note: Additional retirees
will be noted next month.*

CR Connor

Senior Inspector
Tech-Engineering Support-Pressure
Equip-Solvents
Retired 7-31-99

ML Copeland

Maintenance Foreman
Central MTCE Turnaround Services
Retired 7-31-99

Michael Demaris

Senior Lab Technician
Technical- Quality Assurance-
Olefins
Retired 7-31-99

ON Eggers

Senior Inspector
Tech-Engineering Support-
Electrical-Solvents
Retired 7-31-99

Danny Fine

Operations Maintenance
Supervisor
Heavy Olefins/Olefins Support
Retired 7-31-99

Luis Ibarra

Senior Engineering Assistant
Technical-Engineering Support-
Communications
Retired 7-31-99

W Johnson

Senior Inspector
Tech Engrg Support-Pressure
Equip- Solvents
Retired 7-31-99

CE Lawhon

Senior Inspector
Technical Engineering Support-
Mech Equip-Solvents
Retired 7-31-99

LL McMillen

Maintenance Foreman
BPA Manufacturing
Retired 7-31-99

CP Meeks

Maintenance Supervisor
Central MTCE Turnaround Services
Retired 7-31-99

Carol Mitchell

Senior Administrative Associate
Economics and Scheduling
Retired 7-31-99

Jerry Morris

Operations Foreman
Major Resins
Retired 7-31-99

BA Neal Jr

Maintenance Foreman
Facilities-Central Maintenance
Turnaround Services
Retired 7-31-99

AT Rodriguez

Operations Foreman
Major Resins
Retired 7-31-99

R Rosales

Operations Foreman
Major Resins
Retired 7-31-99

BG Roy

Maintenance Foreman
Central MTCE Turnaround Services
Retired 7-31-99

RW Russ

Maintenance Supervisor
Central MTCE Turnaround Services
Retired 7-31-99

SL St Andry

Senior Administrative Associate
Business Services- Information
Technology
Retired 7-31-99

JW Smith

Operations Foreman
BPA Manufacturing
Retired 7-31-99

Boyd Southard

Distribution Analyst
Distribution Customer Services
Retired 7-31-99

Leonel Trevino

Operations Foreman
Distribution Customer Services
Retired 7-31-99

JE White

Senior Administrative Associate
Tech- Engineering Support-Pressure
Equipment- Central
Retired 7-31-99

Patricia Wright

Senior Administrative Associate
Tech-Engineering Support
Retired 7-31-99

Refinery Entrances

Marcia Armstead

Operator-3rd Rate
OTU Trainees

Isadore Brown III

Operator-3rd Rate
OTU Trainees

Michael Cherry

Operator-1st Rate
Hydro/Sulfur

Gregory Hebert

Operator-1st Rate
OYU Trainees

Theodore Hemmer

Operator-1st Rate
OTU Trainees

Forest Henderson

Operator-1st Rate
OUT Trainees

Gerald Kast

Operator-1st Rate
OTU Trainees

Kelvin Lee

Operator-2nd Rate
OTU Trainees

Bruce McMain

Operator-1st Rate
OTU Trainees

George Sanders

Operator-1st Rate
West Distilling

Steven Richerson

Engineer
CPI Process Engineering

Refinery Exits

Stephen Bannon

Senior Engineer
Lubricants

Stephanie Brooks

Financial Representative
CPI-Systems Development

Daniel McCarthy

Manager
CC&G

Albert Mendoza

Maintenance foreman
Turnaround Planning



STEP

*Strategies for Today's
Environmental Partnership*

Editor's Note: Shell Deer Park supports these initiatives: Responsible Care, through the Chemical Manufacturer's Association, is a continuing effort to improve the industry's responsible management of chemicals; STEP, through the American Petroleum Institute, addresses public concerns by improving our industry's environmental health and safety performance.



Responsible Care
A Public Commitment



Shell Deer Park
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Countdown to the Millennium Continues With New Safety Program

The Prevention Awareness Team at Shell Deer Park Refining Company recently announced "Two for 2000," a new safety awareness and recognition program. The two-part program, which will run through the end of 1999, is intended to keep safety procedures and SDPRC's notable safety record as a focal point of all employees.

"Two for 2000" also stresses the importance of working together to keep Shell Deer Park's internal and external communities safe. The initial program includes scratch-off cards with chances for employees who correctly answer questions to receive weekly and monthly prizes.

The second part of "Two for 2000" is dubbed "Countdown to 2000" and begins on Oct. 9, 1999, which just happens to be 2,000 hours before the new year. The recognition program is based on achieving the target goal of 0.59 OSHA recordables rate. During "Countdown to 2000" employees will receive an award each time the target rate is achieved in 500-hour periods.

Watch for more information from the Prevention Awareness Team on how you can receive exciting prizes and awards during "Countdown to 2000."



*Left to right,
Ed Hawitborne, Health
and Safety Manager*

*Stacy Methvin, President
and CEO of SDPRC*

BULK RATE
U.S. POSTAGE
PAID
INT'MAILING
SYSTEMS, INC.

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HOUSTON TX 77003