



EMPAK, Inc.

Environmental Services Division of Pakhoed USA Inc.

File

2000 West Loop South, Suite 1800
Houston, Texas 77027
(713) 623-0900
Telex: 775149

April 9, 1980

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I enjoyed the opportunity to attend the recent CMA Hazardous Waste Seminar in Houston on March 6-7, 1980. As was pointed out, we in industry are facing a whole new maze of complex and sometimes overlapping environmental laws. Moreover, to meet these regulations will require a greater commitment on our parts, to insure proper handling and final disposal of our various waste streams. This is where EMPAK, Inc. may be of vital service to your company.

As I did not have a chance to meet everyone personally, I am enclosing some information on my company's affiliations and respective operations. As you will note from this information, we are closely involved with handling a wide range of hazardous products for various customers as well as taking care of the disposal problems that result from our own activities. With this experience, we can now offer commercial waste disposal to meet your potential needs.

Effective April, 1980 we will be soliciting hazardous liquid waste streams for deep well disposal in the Houston area. We are equipped to handle this waste by tank truck, rail car, barge and/or ship. Given our corporate and operating relationship we can offer vastly reduced disposal prices because of intra-company needs for these same services and thus cost sharing which reduces commercial end costs. Preliminary comparison with existing market prices show our services can be 20%-40% below these rates. Contractural commitments for large and continuous waste streams may further reduce treatment costs.

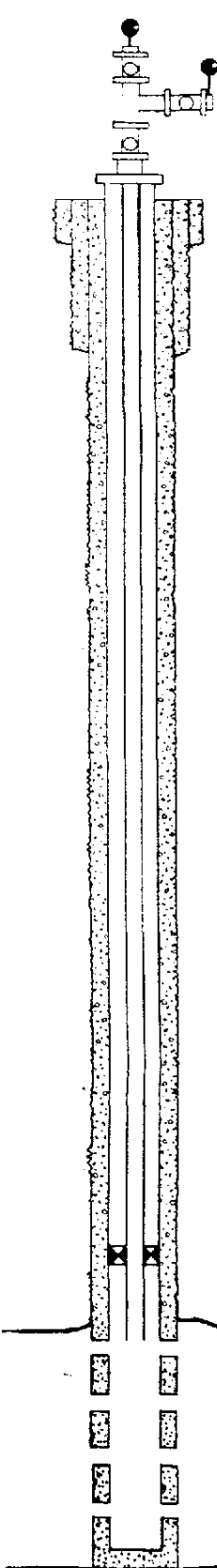
If in reviewing the enclosed information you have further questions, or would like to discuss the possibility of liquid waste disposal through EMPAK, please do not hesitate to contact me at your earliest convenience. In closing, I look forward to hearing from you in the near future and trust the recent conference left you with the same understanding of preserving our environment while serving our respective companies needs.

Very truly yours,

Eric Warner
Sales Manager

EW/cb

SAL 00001981C



EMPAK, Inc. the environmental services division of Pakhoed USA Inc., will place into service at Houston, Texas, a commercial liquid hazardous waste injection well during the summer of 1980 to provide the following:

RELIABLE WASTE HANDLING

- A major worldwide corporation that can trace its origins back to 1616 and appreciates the caretaker role that must accompany waste handling and disposal, today and in the future
- Over 100 years of commercial bulk liquid product storage and handling experience including 10 years in bulk chemicals in Houston

ENVIRONMENTAL

- Permitted by State of Texas
- Waste storage, transfer, and injection facilities designed according to Texas and proposed federal RCRA and UIC regulations
- Fully concrete lined unloading area for vessels, trucks and rail cars
- Above ground steel storage tanks within concrete containment dikes

TRANSPORT FACILITY

- Facility can accept waste by tank truck, rail car, barge, and ship

COMPETITIVE PRICING

- Cost savings with barge transport lowers total disposal cost
- Location on Houston Ship Channel and usage of existing terminalling and environmental facilities reduces overall cost

MULTIPLE SERVICES

- Commercial liquid hazardous waste injection well
- Existing permitted commercial wastewater treatment system (since 1973)
- Onsite analytical laboratory
- Existing rail car and tank truck cleaning facilities
- 3.5 + million barrels of existing storage facilities

For further information contact: EMPAK, Inc.

2000 West Loop South, Suite 1800 • Houston, Texas 77027
(713) 623-0000

An Effective Approach to a Growing Industrial Waste Disposal Need.

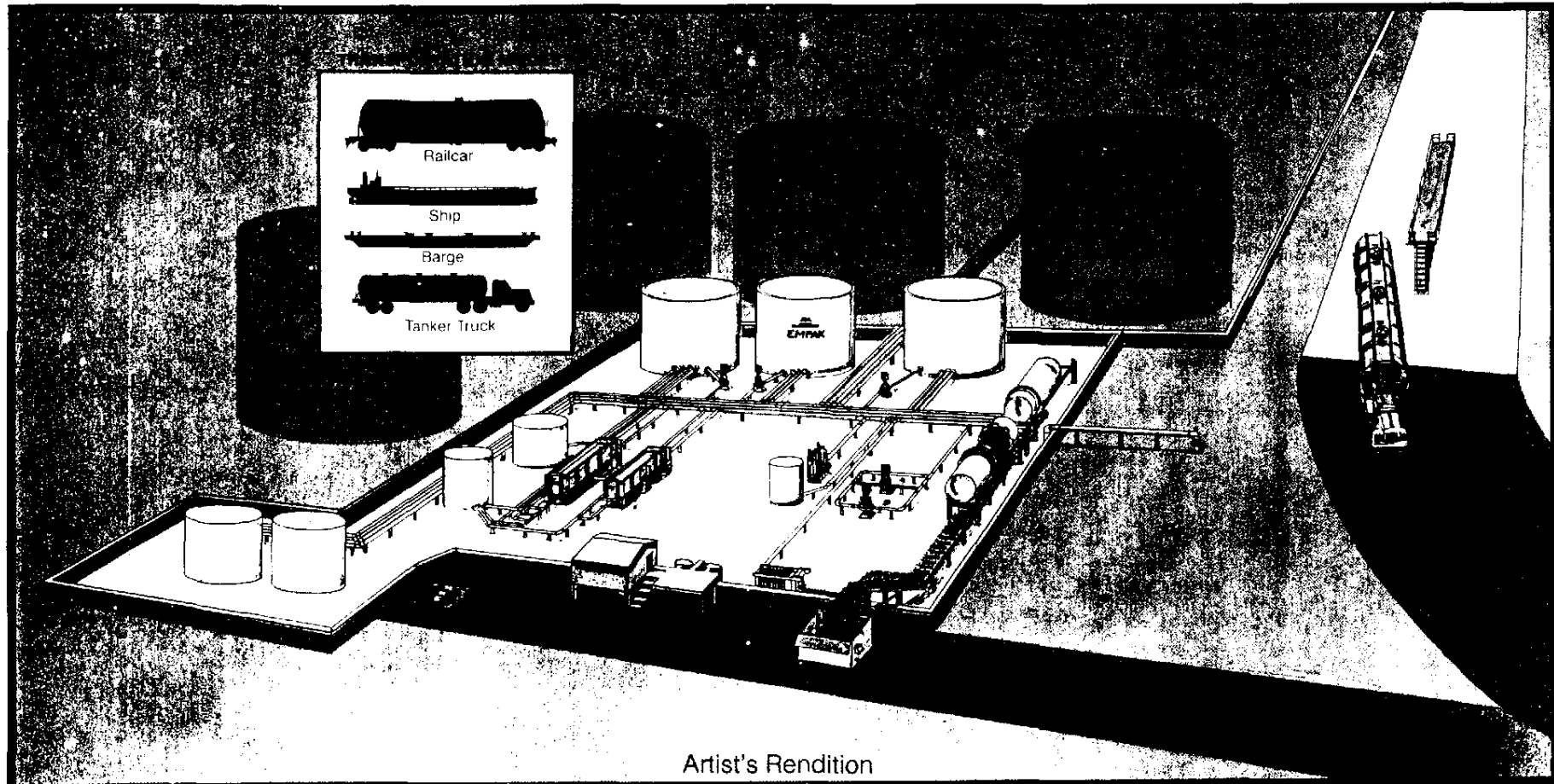
AMMOUNTS

Environmental Services Division of Pakhoed USA Inc.

EMPAK

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 EMPAK, INC.
LIQUID WASTE INJECTION WELL
HOUSTON, TEXAS



For further information contact:

EMPAK, INC.

Environmental Services Division of Pakhoed U.S.A., Inc.
2000 West Loop South
Suite 1800
Houston, Texas 77027
(713) 623-0000

EMPAK INC.

A Pakhoed USA Subsidiary

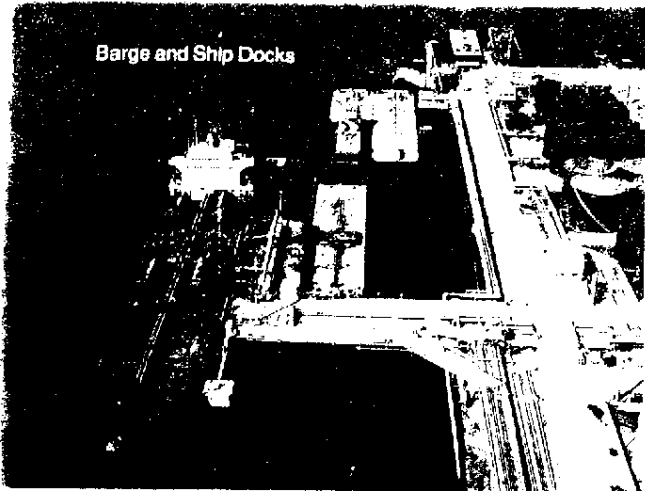


J. Eric Warner
Environmental Services
Sales Manager

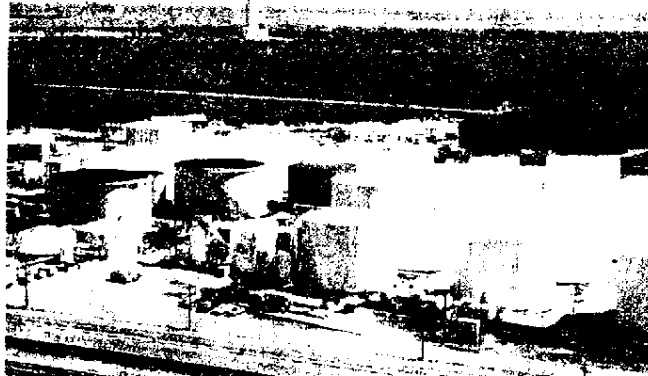
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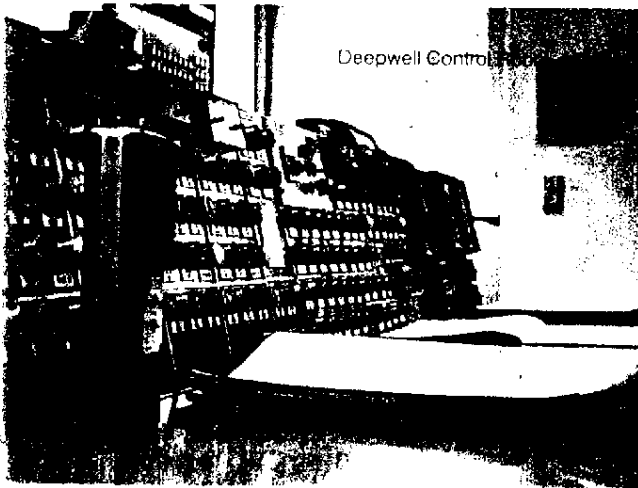
Barge and Ship Docks



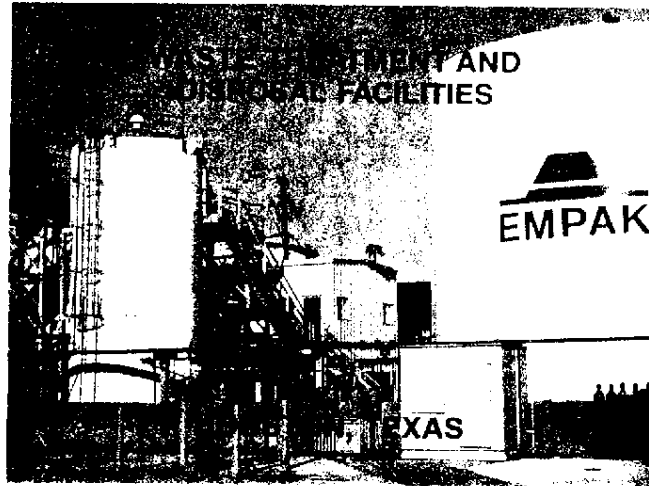
Treatment and Deepwell Systems



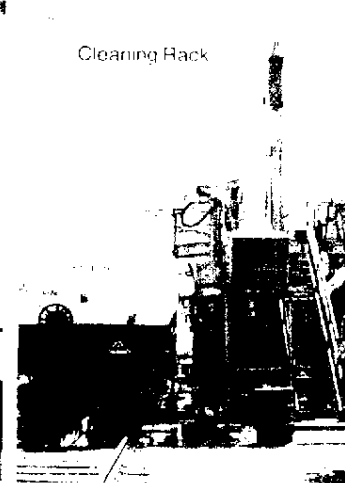
Deepwell Control Room



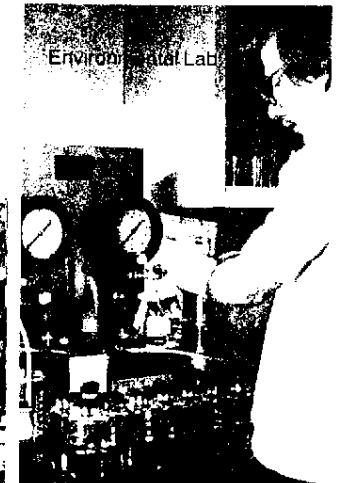
WASTE TREATMENT AND
DISPOSAL FACILITIES



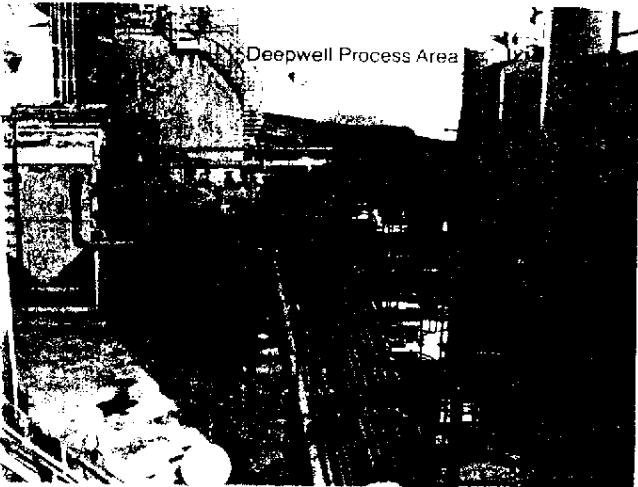
Cleaning Rack



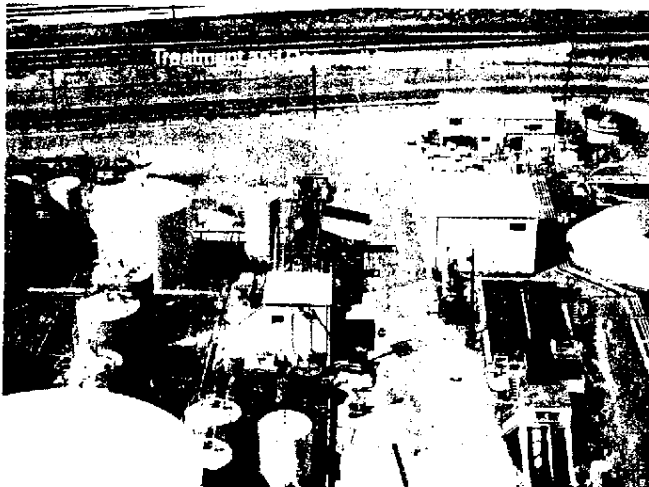
Environmental Lab



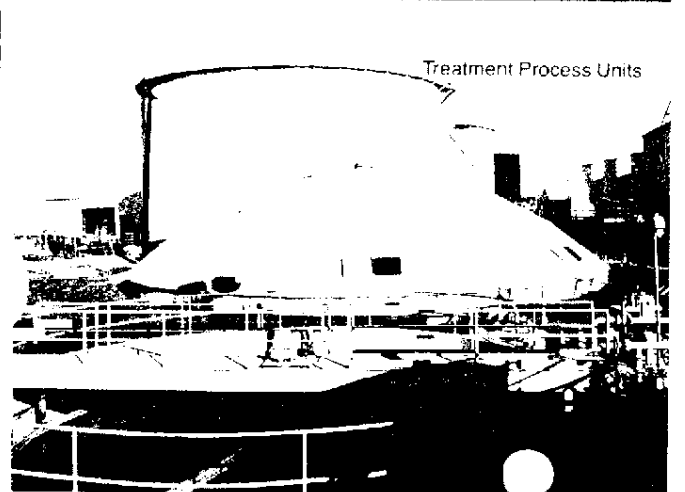
Deepwell Process Area



Treatment Area



Treatment Process Units



EMPAK INC.

Environmental Services Subsidiary of Pakhoed USA

Waste Injection Deepwell Facility Houston, Texas

Permits: Texas Department of Water Resources:
WDW-157 (Deepwell)
Solid Waste #30567
U.S. Environmental Protection Agency:
TXDO97673149 (RCRA)

Reception: 2 ship docks, 3 barge docks, 4 spot tank truck
pad, 6 spot rail car pad.
All unloading areas are fully concreted for spill
control.

Storage: (2) 30,000 BBL steel tanks (2.52 mm. gals.)
(16) carbon steel, stainless steel, fiberglass
tanks from 6,000 gal. to 50,000 gal. capacity.
All storage areas are fully concreted with con-
crete retainer walls for spill control.

Processing: pH adjustment, CPI separator, gas flotation,
DE filter, tube filter, cartridge filter, plus chem-
ical treatment of cyanide, sulfide, odorous,
unstable, and emulsified waste. Sludges are
processed via filter press. Toxic gases to ac-
tivated carbon units or scrubber unit.

Advanced Wastewater Treatment System Houston, Texas

Permits: Texas Department of Water Resources:
WQ0001731 (Treatment System)
Solid Waste #30567
U.S. Environmental Protection Agency:
TX0030937 (NPDES) TXDO97673149
(RCRA)

Reception: 2 ship docks, 3 barge docks, 4 spot tank truck
pad, 6 spot rail car pad.
All unloading areas are fully concreted for spill
control.

Storage: (2) 50,000 BBL steel tanks (4.0 mm. gals.)
(1) 5,000 BBL steel tank (0.2 mm. gals.)
(6) carbon steel, stainless, and fiberglass
tanks from 3,000 gals. to 20,000 gals.
capacity.
Hazardous waste storage is fully concreted
with concrete retainer walls for spill control.

Processing: pH adjustment, API separator, primary chem-
ical treatment, air flotation, biological treat-
ment, clarification, secondary chemical treat-
ment, air flotation.
Sludges are processed via aerobic digestion
and filter press.

Miscellaneous: Lab—Large, modern 1800 sq. ft., 2 story facility for candidate stream screening, compatability tests, toxicity analysis, bench scale
treatability, stability determination, waste reception character verification, and process unit efficiency testing.

Traffic—Multi-person, computer assisted department for arranging transportation (tank trucks, vacuum trucks, rail tank cars, and
barges), scheduling loads, paperwork.

Cleaning—Facilities onsite for cleaning tank trucks, rail cars, and barges.

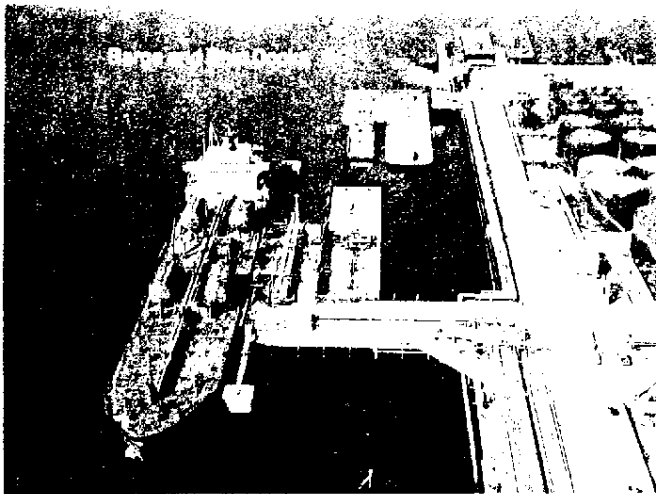
Storage—Additional storage available through Paktank Corp., sister company onsite with more than 4.0 mm barrels of tankage.

Operations—24 hours, 7 days a week

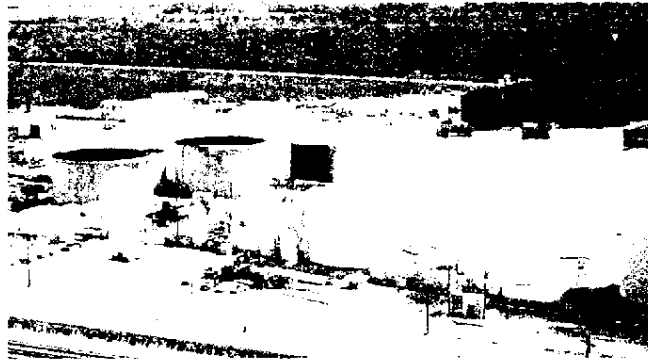
Insurance—EMPAK backed by parent that was established in 1916 and has \$500 mm in assets, plus insurance
coverage as required by RCRA regulations and other applicable State and Federal laws and requirements.

FOR FURTHER INFORMATION CONTACT:
Corporate Office (713) 623-6000 or Plant Office (713) 479-6051

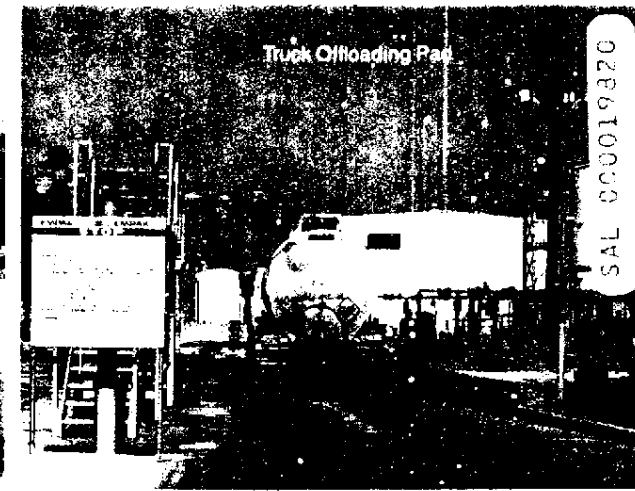
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Barge and Pipeline

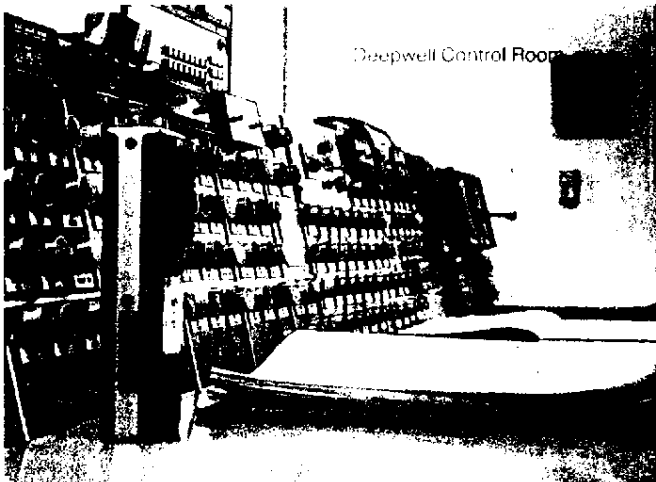


Treatment and Deepwell Systems

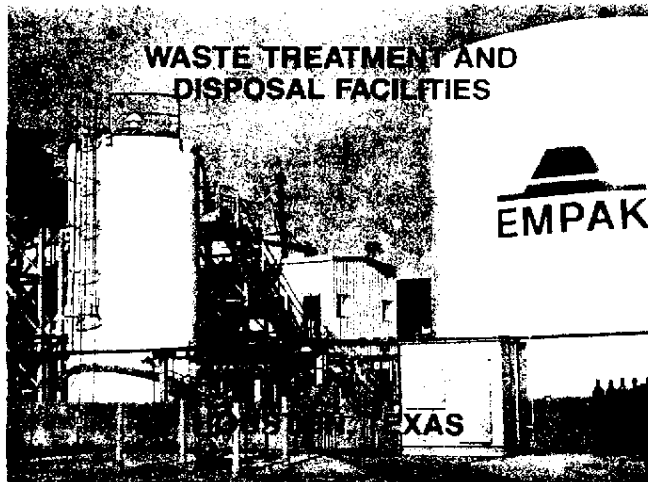


Truck Offloading Pad

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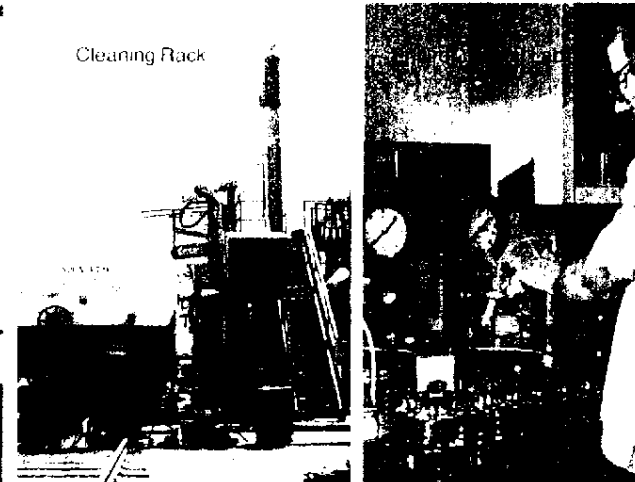


Deepwell Control Room

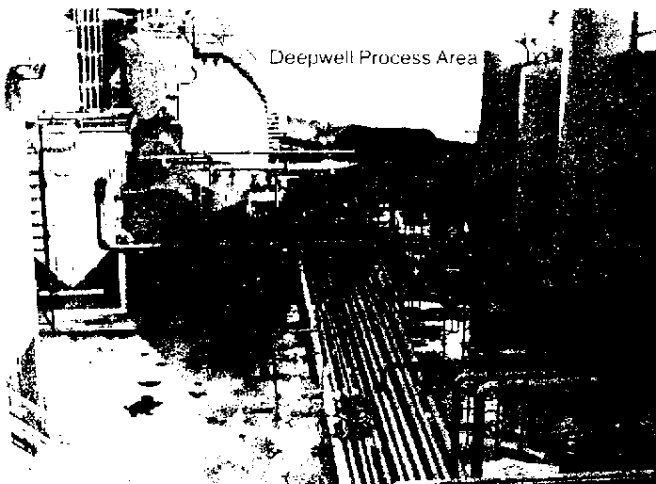


WASTE TREATMENT AND DISPOSAL FACILITIES

EMPAK



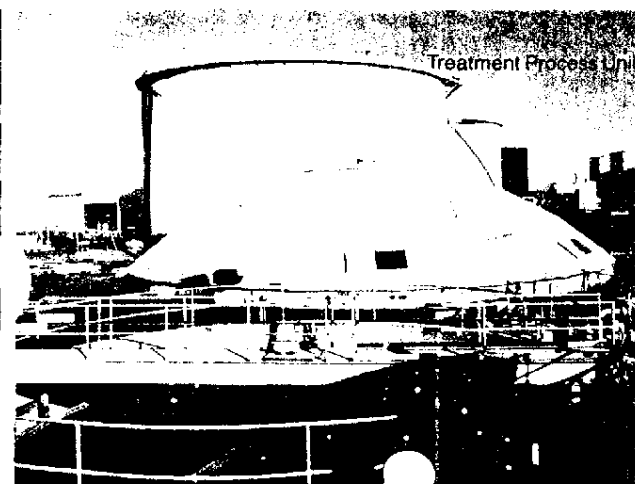
Cleaning Rack



Deepwell Process Area



Treatment and Deepwell Process Area



Treatment Process Unit



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