Page Ten

U.S. Steel-Producer of Coal Chemicals

As the first large steel pro-ichemicals.

ducer to enter the coal chemical field, U. S. Steel has had a wide this country, an invitation was cesses for producing the indiand varied experience in pro- sent to Henrich Koppers, a Ger- vidual products were improved ducing chemicals that originate man Engineer and designer of and expanded. with coal. Production facilities the Koppers coke oven, to come

are located at Clairton and Fair- to this country to discuss the Steel is a major producer of less, Pennsylvania; Lorain and possibilities of installing ovens chemicals. Cleveland, Ohio; Gary, Indiana; at U. S. Steel plants. But this growth is only the

Duluth, Minnesota; Fairfield, Al-Coke Ovens Erected abama; Provo and Geneva, Utah. After discussions with Kop- tion, expanding industry, and In 1906, United, States Steel pers, it was finally decided that new products and new processes

sent a delegation of top operat- 270 ovens would be erected at are creating a constanly growing executives to Europe to the Joliet, Illinois Steel Works. ing market for these chemicals. study the coking methods and Each of these ovens was capable processes being used there. The of producing 81/2 tons of blast group visited coking operations furnace coke every 24 hours. On Germany, Belgium and September 15, 1908, the first coke United States Steel has taken a England. dramatic step forward and is was pushed.

In early 1907 they returned to the first integrated steel pro-In early 1907 they returned to The only chemicals recovered ducer in this country to recover of European practices and the monia and tar. Eight years later hydrogen from the coke oven The only chemicals recovered success they were having. At a benzene plant was added and gas stream. this early date their interest in went on stream June 4, 1916.

the chemicals was only second- During the following fifty ary. Even these men of vision years many changes took place and imagination did not antici- in the coal chemical picture at pate the future impact of coal U. S. Steel. The number of



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TORRANCE PRESS

Dominquez Water Pumping to Rancho Area for 48 Years

The Dominguez Water Corpora- water samples continuously; the miles distant, also are regulated ration has been fortunate in hav- same position. Personnel currenttion, first organized as a mutual results being recorded on graph- from the central control board at ing sound management through- ly employed averages slightly company, has been in continuous ic charts. Other electronic instru- the main plant. Through the mar- out its entire history. Essentially more than 60 persons. operation since 1911. Its purpose ments constantly adjust the treat- vel of electronics, they can be a family ownership, its principal was to provide a dependable ment of the incoming water flow, turned on and off automatically, officers in 1959 are James P. are in excess of \$7,000,000. In-

Family Ownership

water supply for the lands of the based on signals from the test- depending on changes in pres- Bradley, president; J. V. Carson, dustrial growth of the commu-Rancho San Pedro. At that time, ing devices. All water both at sure and the amount of water executive vice president; and nity has necessitated additions of there were more than 20,000 the main plant and in the reser- needed. They can be adjusted to Mrs. Florence Shaefer, secretary- about \$1,000,000 per year to the acres of the original grant still voirs, is treated to eliminate bacacres of the original grant still voirs, is treated to entiminate back take on the pumping toat in to treasurer. In earlier days, the facing remaining in the possession of teria, algae and odors. The basic tation or in any order desired, chief responsibility for active su- tion. remaining in the possession of terla, argae and odors. The basic tation of in any order desired, the Dominguez heirs, extending quality of the water, as it comes with no undue strain on any one well. This permits regular main-westward from the Los Angeles out of the well, is much above well. This permits regular main-

Controlled Electronically The pumps at the several wells,

some of which are two to four

Monday, March 2, 1959

tenance of all wells without in- Tallon, who'served more than 30 ground for the future of this years as superintendent and chief corporation, whose product is engineer. Since 1943, his son, T. water service to homes, business-The Dominguez Water Corpo- Vincent Tallon, has filled the es, industry and agriculture.

Modern Development The original company was reorganized in 1937 as the Dominguez Water Corporation, sub-

ject to regulation by the State Public Utilities Commission. During the past 20 years, the volume The hydrogen thus produced is combined with atmospheric of business has increased steadily, due to the continued growth nitrogen to form anhydrous amof monia and nitric acid using Monindustry in the surrounding area.

tecatini processes, prilled am-This has brought a change in monium nitrate and 83 per cent water use. In earlier years, aside ammonium nitrate solution.. from the domestic needs of the. The process employed at the Torrance area, the greater part U. S. Steel Geneva plant is neces- of the water supply was used for sarily a complicated one. Simply irrigation of farm lands. Today, stated the following takes place agricultural needs represent bareduring the process:

1. Hydrogen is removed from two-thirds of the current output the coke oven gas stream ,after going to industrial plants. The the light oils have been recov- area served presently exceeds 30 square miles, involving a popula-2. Nitrogen is removed from tion of 60.000

beginning. Increasing popula-

Synthetic Ammonia

At its Geneva Utah, plant,

17 Wells Pumping

3. The hydrogen and nitrogen Through the 48 years of opera are synthesized (or combined) to tion, 26 wells have been drilled. form anhydrous ammonia. Of these, 17 are in operation at 4. Nitric acid is produced by present, with water pumped from depths of 1200 to 1600 feet. The oxidation of anhydrous ammonia and absorption in water. transmission system includes 5. Ammonium nitrate solution more than 175 miles of pipelines. is produced by neutralization of nitric acid with anhydrous am-of a few thousand gallons, more

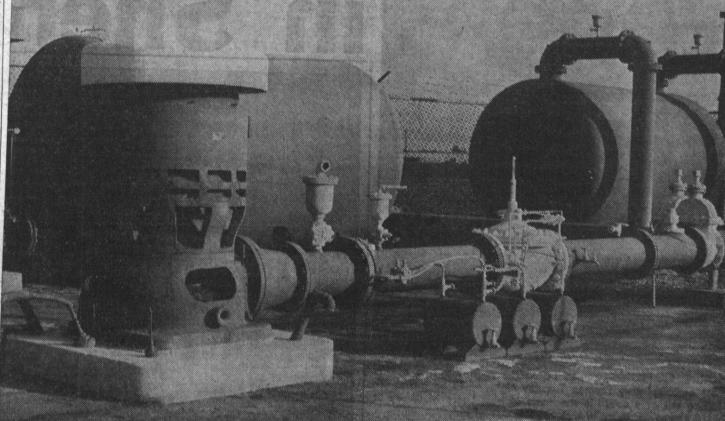
wells and improved equipment 6. Ammonium nitrate prills are have increased the volume to a produced by spraying a concen- possible maximum of more than trated solution (approximately 66 million gallons a day. The cur-96 per cent) into the top of a rent storage capacity totals 32 200 foot tower. The droplets million gallons. A large reserfall and form small spheres or voir and elevated tank, the latter prills recently completed, are located

USS nitrogen products find in northwest Torrance. wide use in agriculture and in-

Water Safeguard

A visit to the main plant of the Dominguez Water Corpora-Bad manners can be fatal if they occur behind the wheel of veals many more interesting facts a car, warns the Automobile connected with the production Club of Southern California. and proper safeguarding of water The discourteous driver who for human consumption. A high tries to get away with some- degree of neatness and sanitation thing in traffic too often suc- is evident. One is impressed by ceeds only in hurting himself the complicated equipment reand innocent victims. Drive the quired in the pumping, measureway you'd like others to drive. ment, testing, treatment, and dis-Traffic control begins at your tribution of this vital necessity wheel. Common courtesy pays of life. off in safe driving.

Special devices collect and test



ONE OF 17—This typical well pump is one of 17 currently be-ing operated by the Dominguez Water Corporation. The water is pumped from depths of 1200 to 1600 feet. The pumps are operated electronically from a control board. They can be ad-tation or in any order desired.



Keeping an eye on the rapid growth of Torrance in various areas is Angus E. McVicar, Su

Now it is our turn 99





WHEN YOU NEED JOB IT MOST

Every family in America has benefited in some way from the work of the Red Cross.

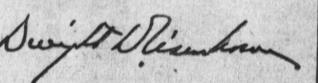
During the past, year, I understand 79,500 victims of natural disasters have been sheltered, fed, and restored to strength through the help of the Red Cross.

Each month, over 100,000 servicemen -and their families - receive some form of Red Cross assistance. Reports from Lebanon showed that Red Cross field men arrived almost with the first elements of our troops.

At home, the national community finds continual use and assurance in the Red Cross blood program.

Each one of us has reason to be thankful for the Red Cross: its volunteer nurses; its water safety courses and first aid training; its home nursing and child care classes. These are some of the ways in which the Red Cross serves us day by day.

Now it is our turn to respond to the annual appeal of the Red Cross. Knowing its many and varied services on our behalf, I am sure this appeal will receive our most generous support.



This Message Sponsored as a Public Service by: C. N. Cake, Developers

perintendent of the Torrance Municipal Water District No. 3. Together with the City Council and other municipal offices, the water district is planning well ahead of actual building an anticipating needs in areas of potential construction.

Plans are being made and con struction completed to enable Torrance Water District to deliver water where and when it is needed. "The situation is well in hand. Water will be available as growth takes place," stated McVicar.

New Construction

A one million gallon tank was installed at Ocean ave. and 226th st. (\$50,000), together with a booster station (\$12,000), to better serve that area.

In Lomita Blvd., between Crenshaw blvd. and Hawthorne blvd., a 16" feeder main was laid to increase pressure on the west side of town (\$50,000).

Additional capacity to serve Torrance was acquired by the completion of a new 16" Metropolitan Watera District connection and a 24" main in Pacific Coast Highway between Walnut. st. in Lomita and Crenshaw blvd. (\$138,000).

Industrial Tract Served Several different water companies serve Torrance, but the municipally owned Torrance Water District furnishes water to 16,000 customers, or about 65% of Torrance. The Torrance Water District has only 30 employes, relatively low for the amount of customers and area served.

Water Replenishment Needs Although most of our water is obtained from the Metropolitan Water District, McVicar warned that our local source of water, the two vast subterranean reservoirs which lie under southeast ern Los Angeles County have been dangerously depleted. To protect this natural resource from salt water invasion, water must be added by direct flow method, water must be forced into the underground in certain imited areas to prevent infiltraion of salt water, and pumping should be curtailed to prevent further loss

The Water Replenishment District Committee, sponsored by water companies in the area, is circulating petitions so that action can be taken on this problem. Volunteers are needed to obtain more signatures. More information and petitions can be obtained at the Torrance Water District office. Petitions can be signed there also, or at the Torrance City Hall, and several industrial plants.



WATER MAINS-Torrance Water District No. new water mains laid this year to bring water 3 continues to improve facilities to give good to new areas service to its customers. Above are two of the ready served. to new areas or improve service to areas al-

West Virginia Pulp & Paper Co.

MULTIWALL BAG DIVISION

Announces its new West Coast facilities for manufacturing Multiwall Paper Bags for industrial packaging.

We are pleased to become a part of the Torrance community and to participate in its continued growth and prosperity.

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