FILE NAME: .ŜŎKűŜf ó.9/ I ú

DATE: мфпс a l·è

DOC#: .9/ I ллу

DOCUMENT DESCRIPTION: ¢NJI·ŘŜ W2dzNJyЛ·f ! NJűλŎfŜ

039118
DEFDOC
BECSEB

Bee-Bee-eM

Published By and For the Employees of
Bechtel Brothers McCone Company, Engineers and Constructors

5/1946

Somastic Pipe Coating is BBM Exclusive in West

Pipeline Department Will Handle Unique Covering

■ Somastic Pipe Coating—the "ideal protective covering" for pipelines of all sizes and kinds—is now a BBM exclusive in the West.

This proven means of protecting pipe from the destructive activity of soil corrosion is now being handled by BBM as a new line of activity for its Pipeline Department.

Somastic operations will be conducted by Ray L. Hamilton, Pipeline Construction Manager, working with J. S. Connell, M. D. Rogers, C. V. Miller, H. A. Jacobs, Austin Joy, Roy Ade, W. H. Atkins and others.

The coating on any pipe trademarked "Somastic Coated Pipe" is a dense mixture of selected asphalt, washed sands, finely ground mineral filler and long, willowed asbestos fibre. It is applied to the pipe by a continuous extrusion process as a uniform seamless coating. Its special characteristics—achieved after 14 years of development—insure against damage to coating or pipe by stockpiling, field hauling, handling, or by years of subjection to all the powerful attacks of the soil, both mechanical and chemical.

Every care is taken in applying the coating to the pipe. First, the pipe is thoroughly cleaned by thousands of metal shot, hurled by a fast-flying wheel. This also roughens the surface for better adherence. Then the pipe is preheated and the hot priming coat is applied.

The coating itself can be put on at a central plant, at the railroad where pipe is transferred from rail to truck, or by use of an over-the-trench mobile plant along the line itself.

At the coating plant, the asphalt-mastic material is pumped into a heated nozzle, constructed to form an annular recess which tapers to a sizing die. The pipe moves slowly through the machine, which can be adjusted to apply the thickness desired. On BBM's current Kettleman City-Los Medanos pipeline, the 18-inch pipe is receiving a three-quarters-inch coating. Generally, the smaller the pipe the thinner the coating.

Finally, the finished pipe is whitewashed to facilitate stockpiling and handling.

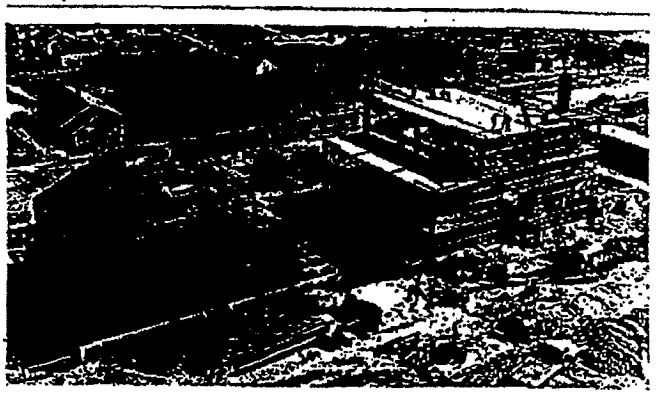
After the coated pipe has been strung and welded, the section of bare pipe next to each welded joint is cleaned, primed, and coated, with Somastic in a smaller version, of the same process which has taken place previously on the rest of the pipe.

Electrolytic action is the principal cause of soil corrosion. At one location in the San Joaquin Valley, for instance, two or three years was the normal life for pipe. Somastic coated pipe was laid there and was used for six years. Taken up it was found to be in perfect condition. The pipe was cut and moved 300 miles by truck, where it was relaid—as good as new.

Its dielectric qualities and resistance to water were tested by placing a section in wet sand for 16 months, in salt water for seven months, and in moisture for 13 more months. At the end of this test the sensitive Wheatstone bridge with a top limit of 10,000,000 ohms still could not detect any trace of conductivity.

In addition, Somastic pipe coating has great tensile strength, is ductile enough to permit satisfactory field bends, resists pressure and impact and is available at a price which shows the pipeline owner an attractive return on his investment.

Somastic is now in use throughout the country in sizes half-inch to 22-inch. From now on its unique advantages will be one more service which BBM can offer to the pipeline industry.



Over-all view of the steam power plant now being built by BBM in Guymon, Oklahoma, is shown in this picture. Taken a month ago, it shows the main power plant (right) containing two large boilers, steam turbine, generator and control panels. Steam, which has been cooled and condensed in the turbine and condenser in the main building is piped to the cooling tower (left) before being fed back into the boiler tubes to repeat the process. In the picture the men are pouring a gypsum roof slab. This compact "package" of power will deliver 5,000 kilowatts.

Ed Quiett Hurt in Crash

■ Laid up in the Community Hospital at Martinez is Ed F. Quiett, popular Superintendent on the Shell ammonia plant job (1074) at Pittsburg, California. He was driving an automobile when a nut came off the steering mechanism. It was expected that he would spend some time in the hospital recovering from a scalp injury and then a while at home before rejoining his gang on the job.

BBM Wins Contract for Oregon Milk Plant

■ Contract for a large milk processing plant was awarded a few days ago to Bechtel Brothers McCone Company by Avoset, Inc., for construction at Nyssa, Oregon.

There in southeastern Oregon, near the Idaho border, we shall build a 100,000 square foot structure containing specialized milk process machinery and other facilities. BBM is designing the plant and building, and will erect them and install the machinery.

Many types of milk products will be produced: Avoset, a stabilized cream; casein, regular dairy products, and milk sugar.

Register and Vote!

■ In days like these it is mighty important to be a good citizen—to cast your vote in every election.

That's why we urge every BBM employee to make certain that he is registered properly RIGHT NOW to take part in coming elections. In California that means that you must register if (1) you have not registered previously, or (2) if you have moved, or (3) if you have failed to vote at preceding general elections.

We don't care how you vote—just so you VOTE. So register NOW!

000003

CH 1781