



## OLIN MATHIESON DOE RUN PLANT

**O**LIN MATHIESON Chemical Corporation is one of the fastest growing chemical companies in the country.

The Doe Run Plant at Brandenburg, Ky., is part of that growth. It has put Olin Mathieson in a new field, the manufacture of petrochemicals. These chemicals are made either directly or indirectly from petroleum. One form of petroleum is natural gas. To be successful in its new venture, it was necessary for Olin Mathieson to find a source either of petroleum or natural gas. The natural gas pipeline of the Tennessee Gas Transmission Company provided this source.

Tennessee Gas owns and operates a huge natural gas pipeline that collects natural gas in Louisiana and Texas and sends it to customers as far north as Buffalo, New York, and then eastward into Maine and Massachusetts.

Natural gas, as it comes from the well, contains many products which are not desirable when the gas is used for heating and cooking. Among them are natural gasoline, propane and butane, and a somewhat similar material called ethane. The Tennessee Gas Transmission Company has built a plant at Gabe, Kentucky, which takes these components out of the gas stream. They are then sent by another pipeline to the Doe Run plant,

a distance of sixty miles. At Doe Run, these materials are separated and are either sold as such or used as a raw material for our own manufacturing processes.

Mathieson Hydrocarbon Chemical Corporation was organized jointly in 1950 by the Tennessee Gas Transmission Company and the former Mathieson Chemical Corporation.

On November 28, 1951, Mathieson Hydrocarbon Chemical Corporation was merged with Mathieson Chemical Corporation. The Doe Run plant occupies an 1800-acre site that is ideal for chemical industry. The Ohio River provides water for the plant and makes it possible to ship by barge. The Louisville & Nashville Railroad and several trucking lines serve the plant. It is close to markets which need the products.

Principal products made at the plant are ethylene oxide, which is used in the manufacture of synthetic detergents and other chemical products, and ethylene glycol, the principal ingredient of permanent-type automotive anti-freezes. The ethylene glycol from this plant is shipped by tank car and barge to canning plants in other cities where the anti-freeze formulation is prepared and put up under the Olin Mathieson brand label "U.S.I. Permanent."