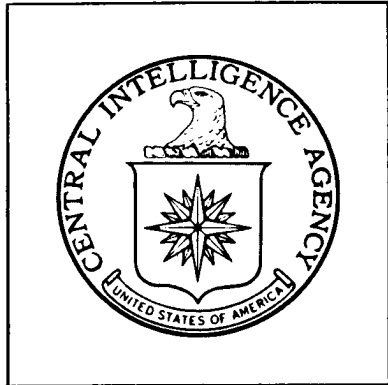


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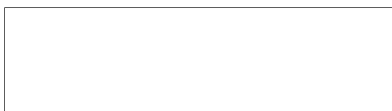
**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Fu-chou Chemical Plant No. 2

Fu-chou, China



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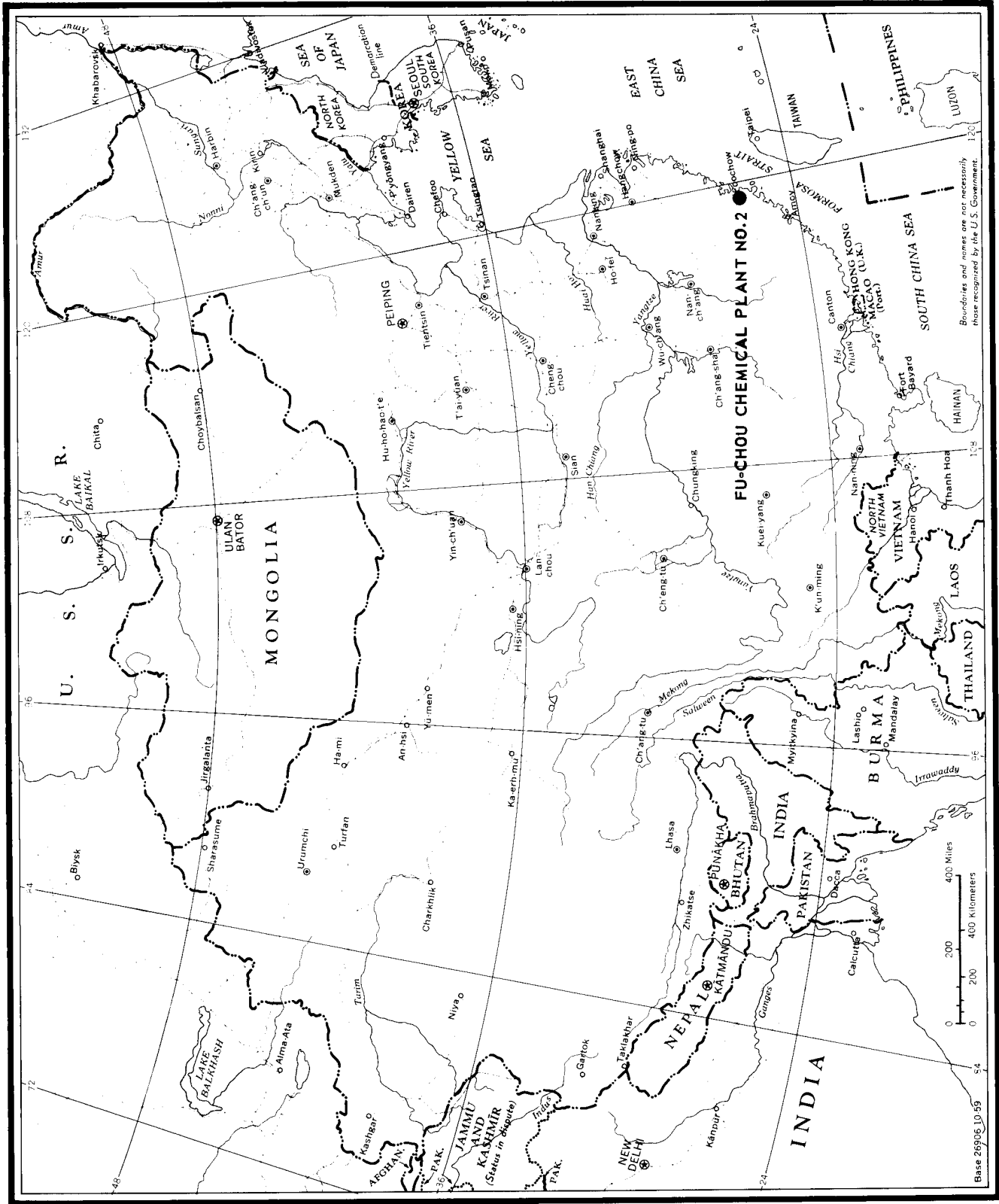
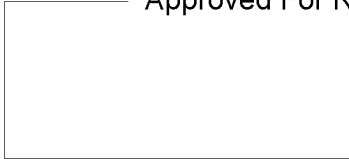


FIGURE 1. LOCATION MAP.

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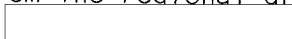


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INTRODUCTION

Fu-chou Chemical Plant No. 2 is located on the northeastern edge of Fu-chou, Fukien Province (see Figure 1). Steam is supplied to the plant by a collocated steam plant. Electric power is received from the regional grid system through the collocated Fu-chou Transformer Station 

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BASIC DESCRIPTION

Physical Features

The plant occupies an area approximately 3,350 by 1,250 feet and contains about 95 acres (see Figures 2 and 3). It is served by rail spurs from the Fu-chou to Chi-kou rail line. Two roads enter the plant on the southwest side. A tributary of the canal serving the Fu-chou Iron and Steel Plant August 1  connects the chemical plant with the Min River.

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Operational Functions

The primary products of the plant are probably polyvinyl chloride and possibly chloroprene. Secondary products include caustic soda, bleaching powder, chlorine, and possibly hydrochloric acid and calcium hydroxide. The products of Area I cannot be identified from photography. The process flow for the products is shown in Figure 4.

Construction Chronology

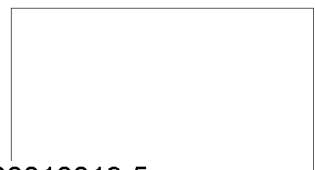
In September 1958 only minor construction buildings and survey lines were visible. By July 1962, facilities in the chlorine, caustic soda, bleaching powder, and probable acetylene production areas were completed. By September 1963 the possible chloroprene production area was completed. By May 1965 the possible hydrochloric acid facility and several minor support buildings were completed. In December 1966, the probable polyvinyl chloride production area and three buildings in the unidentified production area were complete. Since December 1966 only minor support facilities have been added.

Operational Status

The plant was not operational when it was first observed on photography of September 1958. In July 1962, facilities for the production of chlorine, caustic soda, and bleaching powder were in operation. This was indicated by the presence of a light-toned material, possibly spillage, on the ground and by rail cars in the bleaching powder production area. In May 1963, facilities in the chlorine and caustic soda production area were operating as indicated by the presence of rail cars.

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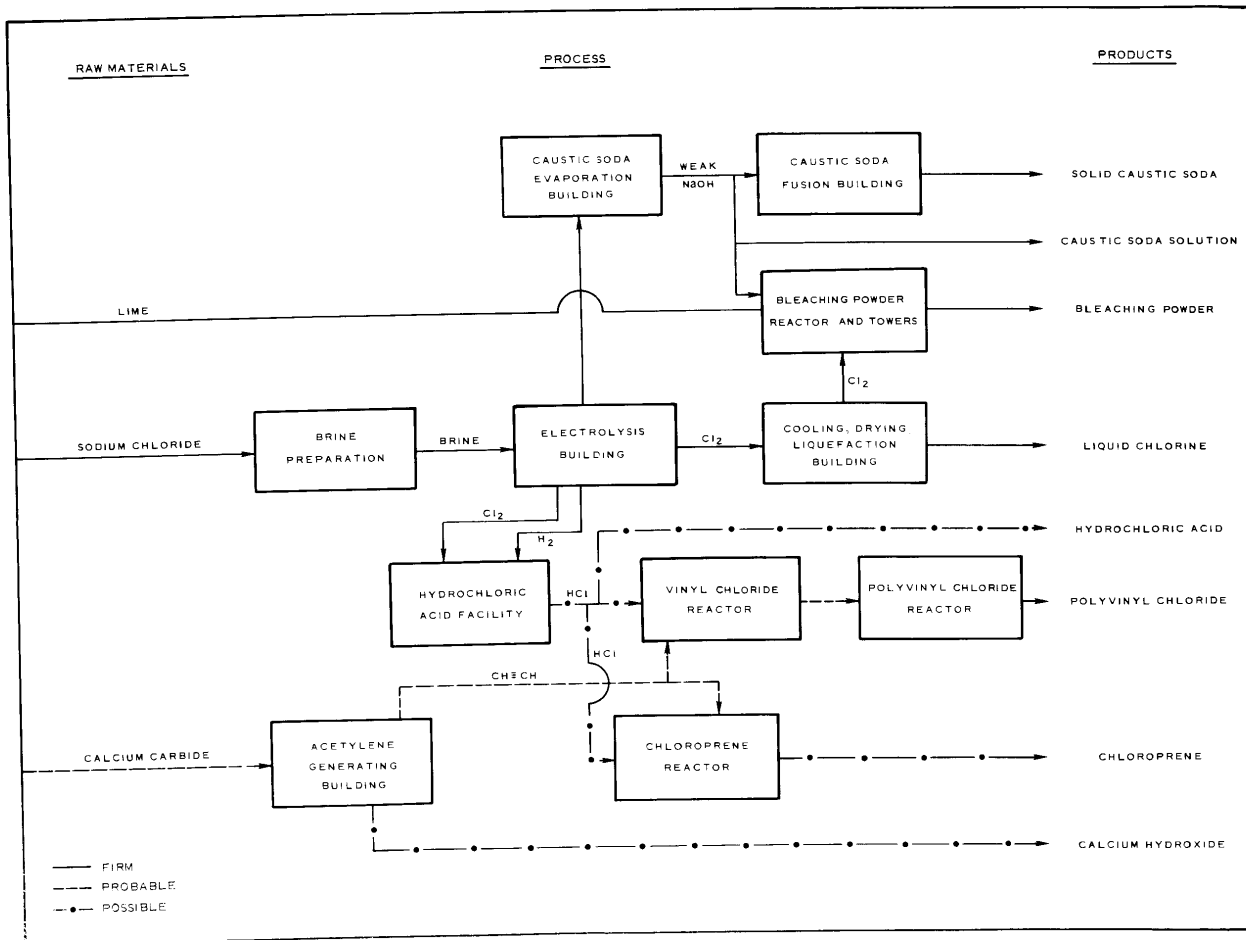


FIGURE 4. PROCESS FLOW AT FU-CHOU CHEMICAL PLANT NO. 2.

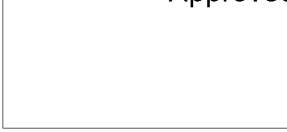
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In November 1964, drums similar to those used to pack calcium carbide were observed for the first time in the probable acetylene area, suggesting that acetylene production may have been under way. Acetylene is a necessary raw material for production of chloroprene and polyvinyl chloride (see Figure 4). Facilities in the possible chloroprene area could have been operating by November 1964 if hydrochloric acid was supplied to the plant from another source. The probable polyvinyl chloride area could have been in operation when it was first observed complete in December 1966. Variation in the number and position of the drums on coverage through October 1969 suggests that both production facilities were operating. This cannot be confirmed, however, because there are no other visible signs of production in these processes.

The plant has been observed in operation on all coverage from July 1962 through October 1969 as indicated by the fluctuation in the number of rail cars observed at the plant.

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Map

548th RTS. US Air Target Chart, Series 200, Sheet M0499-IIHL, 3rd edition,
September 1966, Scale 1:200,000 (SECRET)

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Related Documents

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Hsinhua News Agency. Daily Bulletin 442, Big Modern Chemical Works
Goes Into Operation In Southeast China, 17 March 1959 (CRS Plant
Folder E-000222) (UNCLASSIFIED)

Requirement

COMIREX N02
Support Number 421939

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