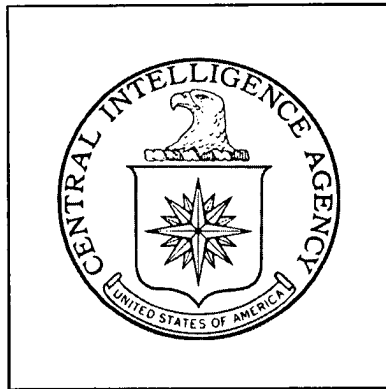
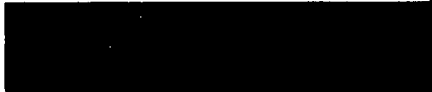


**Top Secret**



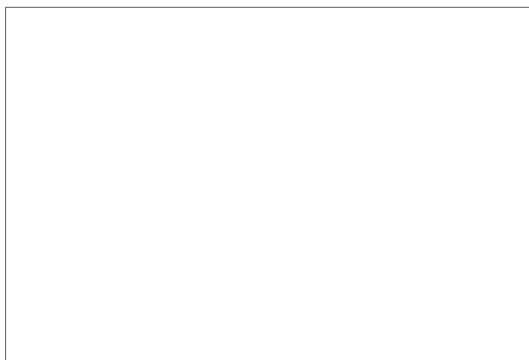
**DIRECTORATE OF  
INTELLIGENCE**

**Industrial Facilities  
(Non-Military)**

*Basic Imagery Interpretation Report*

**I-yang Nitrogen Fertilizer Plant**

**I-yang, China**



25X1

**Top Secret**

RCS	13/0060/72
DATE	JUNE 1972
COPY	<b>117</b>
PAGES	6

25X1

**Page Denied**



**TOP SECRET RUFF**



RCS 13/0060/72

25X1

CENTRAL INTELLIGENCE AGENCY  
 Directorate of Intelligence  
 Imagery Analysis Service

INSTALLATION OR ACTIVITY NAME		COUNTRY	
I-yang Nitrogen Fertilizer Plant		CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES	COMIREX NO.	NIETB NO.
NA	34-30-15N 112-12-45E	None	None
MAP REFERENCE			
15th RTS. USATC, Series 200, Sheet M0385-8HL, 2nd ed, May 66, Scale 1:200,000 (SECRET)			
LATEST IMAGERY USED		NEGATION DATE (If required)	
[Redacted]		[Redacted]	

25X1

25X1

25X1

ABSTRACT

The primary function of I-yang Nitrogen Fertilizer Plant is the production of nitrogenous fertilizer, probably ammonium nitrate. Liquid/aqueous ammonia is a secondary product.

The plant was in the initial stage of construction when it was first observed on photography in February 1966. The production facilities were constructed by June 1971, the date of the latest photography. The plant has not been observed in operation.

This report includes a photograph, a process flow chart, and a chronological summary of construction and operational status.

**TOP SECRET RUFF**



25X1

**TOP SECRET RUFF**

INTRODUCTION

I-yang Nitrogen Fertilizer Plant is located 2 nautical miles east of I-yang, Honan Province (see Figure 1). Steam is provided by the collocated steam plant. Electric power is received from the regional grid through a collocated transformer substation.

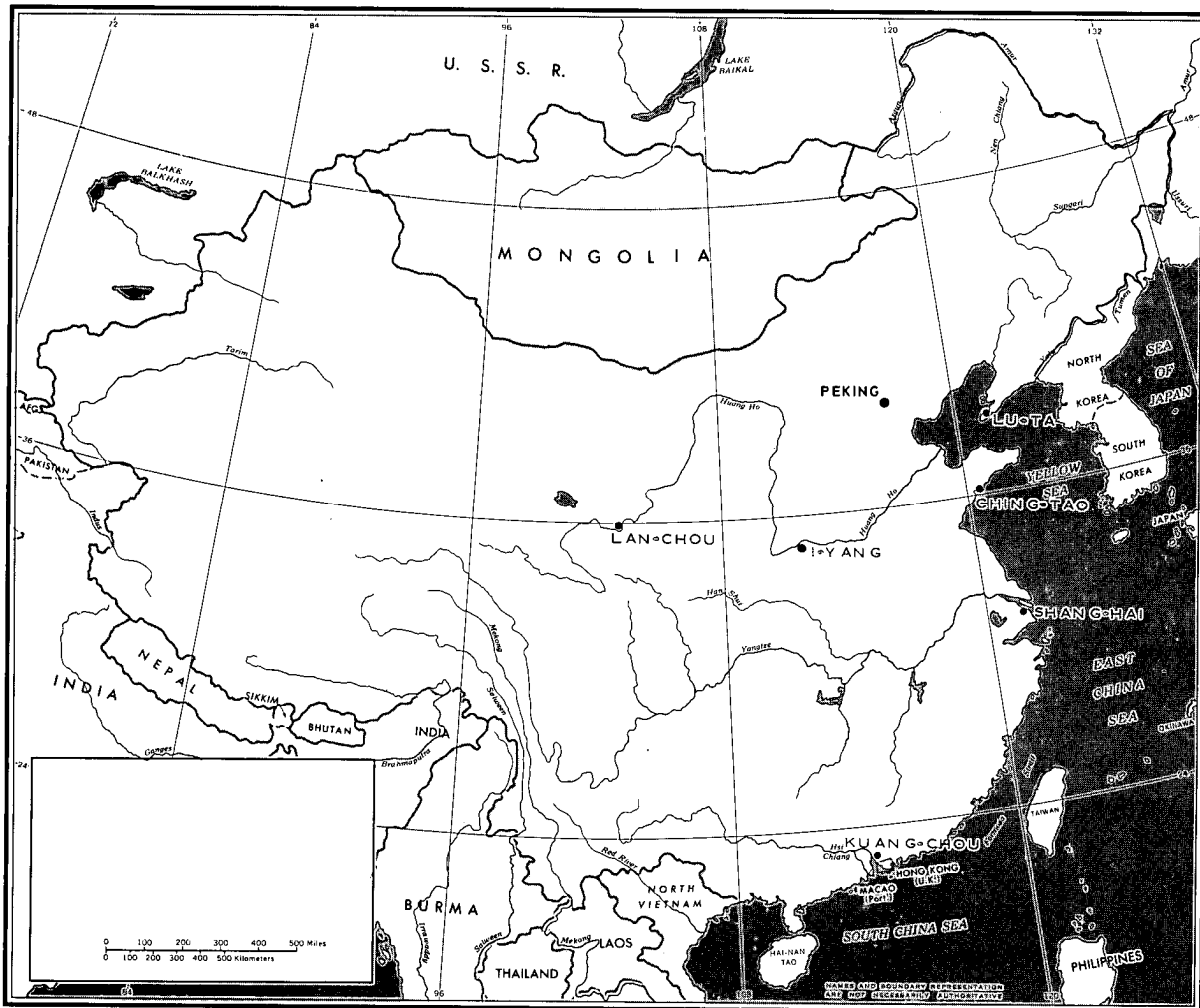


FIGURE 1. LOCATION MAP.

**TOP SECRET RUFF**

**TOP SECRET RUFF**

## BASIC DESCRIPTION

The fertilizer plant occupies 40 acres in an irregular shaped area measuring 1,500 by 1,300 feet overall (see Figure 2). It is served by road and by a spur from the Lo-yang to I-yang rail line. The plant is secured by a wall.

Operational Functions

The primary function of the plant is the production of nitrogenous fertilizer, probably ammonium nitrate. Liquid/aqueous ammonia is a secondary product. The plant is designed to use water gas as the source of nitrogen and hydrogen for the synthesis of ammonia. The probable nitric acid plant differs from the standard design observed at other plants. The process flow for the products is shown in Figure 3.

Construction and Operational Status

Initial construction activity for the plant was observed in February 1966. At that time only six minor support buildings were present. Between February 1966 and June 1971, the production facilities were constructed. They include the retort building, the gas purification equipment, the ammonia synthesis building, and the probable nitric acid and ammonium nitrate reactor. As of June 1971, the plant has not been observed in operation, although coal has been observed in the coal receiving and storage area.

**TOP SECRET RUFF**

**Page Denied**

TOP SECRET RUFF

25X1

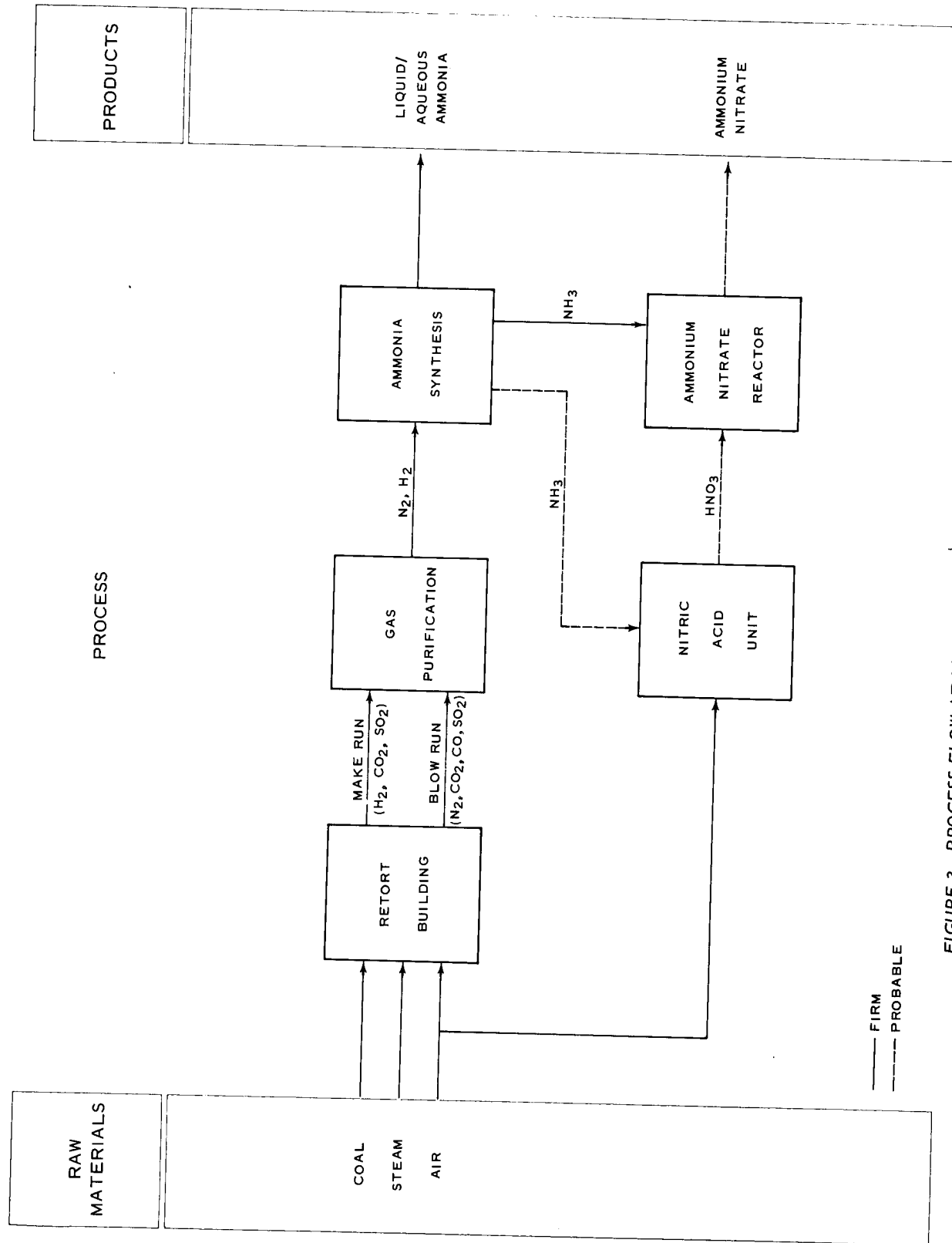


FIGURE 3. PROCESS FLOW AT I-YANG NITROGEN FERTILIZER PLANT.

TOP SECRET

25X1  
25X1

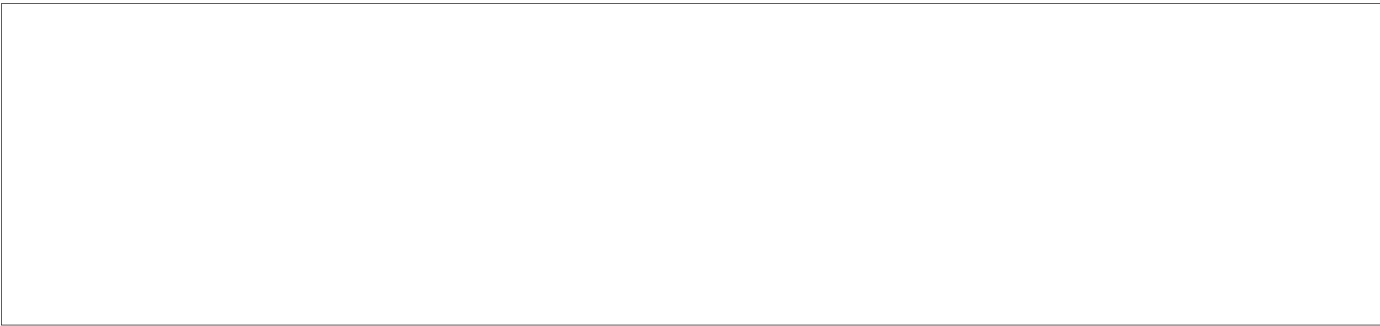


**TOP SECRET RUFF**



25X1  
25X1

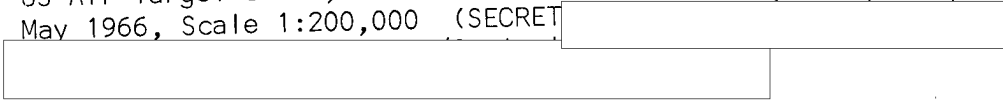
REFERENCES



25X1

Map

15th RTS. US Air Target Chart, Series 200, Sheet M0385-8HL, 2nd edition,  
May 1966, Scale 1:200,000 (SECRET)



25X1  
25X1

Requirement

COMIREX NO7  
Support Number 428920

**TOP SECRET RUFF**



25X1



**Top Secret**



**Top Secret**