

F/A-X-4 - SHINETSU NITRO-FERTILIZER CO. (NAOETSU PLANT)

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ASSISTANT CHIEF OF AIR STAFF, INTELLIGENCE
BY COMBINED PERSONNEL OF
U. S. AND BRITISH SERVICES
FOR THE USE OF ALLIED FORCES

FUNCTIONAL ANALYSIS REPORT NO. F/A - X No. 4
Date 17 August 1945

TARGET NO: 90:9-1667

NAME OF TARGET: SHINETSU NITRO-FERTILIZER CO. (NAOETSU PLANT)

LOCATION: NAOETSU, HONSHU, JAPAN COORDINATES: 37°11'N 138°16'E

PHOTOGRAPHY: Date Mission Print Nos
 13 April 1945 3PR/5M138 3R:82,83

NOTE: Since it has proved impossible to perform a detailed interpretation of this installation, an F/A-X Report is written describing functions for groups of buildings. If more information becomes available a complete F/A will be issued subsequently.

1. This report has been prepared from a study of aerial photographs and a consideration of evaluated ground information supplied by the Joint Target Group.
2. FUNCTION:

The plant is reported to produce carbide and nitrogenous fertilizers (which is assumed to be calcium cyanamide). Aerial photographs confirm the manufacture of carbide and strongly indicate further processing to calcium cyanamide.

The plant is also reported to possess facilities for the electro refining of magnesium and silicon and the production of ferro alloys. The photographs neither confirm nor deny these functions though there are several buildings which might reasonably be assumed to house these facilities.
3. LOCATION:

The plant is located NNW of the SHINETSU main line railway bridge over the HOKURA River approximately 3/4 of a mile E of the ARA-KAWA estuary. It is approximately 2 1/2 miles due north of TAKADA.
4. SERVICES:

A railroad spur connects the installation with the SHINETSU main line and water transport facilities are available in the HOKURA River.
5. IDENTIFICATION OF FACILITIES:

<u>AREA</u>	<u>FUNCTION</u>
A	Unidentified
B	Cyanamide fertilizer plant, grinding, blending, packing, storage and despatch
C	Carbide furnaces and associated plant
D	Probable lime kilns and preliminary treatment of limestone
E	Possible nitrogen fixation (Linde) plant
G	Possible ferro alloy manufacturing plant
H	Probable second carbide plant
F & J	Unidentified
6. NOTES:
 - (a) No nitrogen gas holders can be seen.
 - (b) Two high tension power lines lead to the plant but no transformer station can be located.

7. ACTIVITY:

At the time of photography the plant appears fully active. Smoke and steam is visible at a number of points and shunting is in progress on one of the sidings. Coal and limestone stocks have an appearance suggesting additions and removals.

ENCL: CFL 750.810

INTERPRETED BY:
T. NEWBY
F/O., RAF

JTG CONSULTANT:
V.W. KEBKER
Lt., USNR

APPROVED BY:

Lee W. Kilgore
LEE W. KILGORE
Major, Air Corps
Chief, Evaluation Branch
Photographic Division
Office of the Asst Chief of Air Staff,
Intelligence



TARGET NO. 90:9-1667 NAME SHINETSU NITRO DATE 24 August 1945 P/4
 FERTILIZER CO.-NAOETSU COMPLETED

APPROX. COORD. 37° 11' N-138° 16' E PHOTO DATE 13 April 1945 SCALE 1:6,000

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