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NPIC/R-68/63  
April 1963

PHOTOGRAPHIC INTERPRETATION REPORT

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# POL STORAGE SITE IPPOLITOVKA, USSR

DECLASSIFICATION REVIEW by NIMA/DOD 3/14/00

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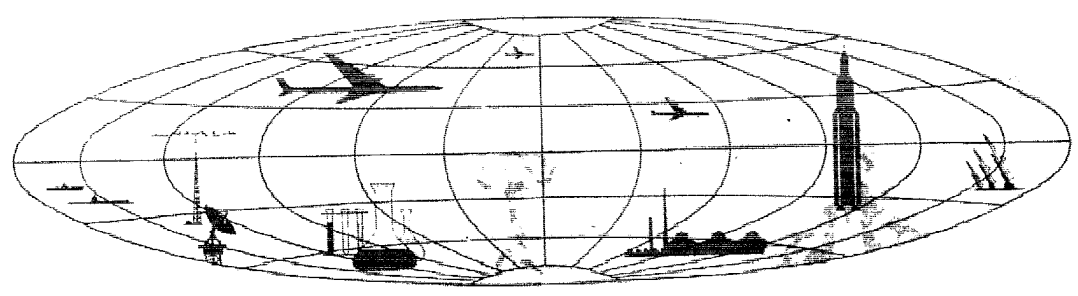
# S-8940

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**PREFACE**

This report has been prepared in response to CIA Requirement DDI/RR/E/R-61/61, requesting a study of the new facilities constructed since 1956 within a POL storage site at Ippolitovka (formerly called Kremovo). The mensural data included in this report are only approximate because of the poor image definition and small scale of the photography.

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POL STORAGE SITE, IPPOLITOVKA, USSR

INTRODUCTION

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A POL storage site is located at 44-04-0QN 132-17-40E, 1.5 nautical miles (nm) northeast of Ippolitovka and 21 nm northeast of Ussuriysk (formerly Voroshilov), on the east side of the Trans-Siberian Railroad between Vladivostok and Khabarovsk. The Vladivostok-Khabarovsk highway lies 1.3 nm east of the site. Several reports, one of which is based on [redacted] photography, have identified the installation as a regional storage site for petroleum products serving several nearby airfields and other local facilities. 1/ 2/ 3/ Products reportedly stored

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include avgas, motor gasoline, kerosene, lubes, and greases. 1/ 4/ [redacted] sightings of LOX rail cars within the area. 5/ 6/ 7/ 8/

KEYHOLE photography of [redacted] reveals the construction of additional storage tanks, roads, and a rail spur to serve a new facility still under construction.

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Within a radius of 50 nm of the storage site are three confirmed MRBM launch sites. Four SA-2 SAM sites and two SA-3 SAM sites are located within a radius of 30 nm of the site.

DETAILED ANALYSIS

The POL storage site covers an area approximately 5,000 by 3,000 feet (Figure 1). It is double fenced except for the southern boundary where only a single fence line is visible. A wooded area obscures a section of the fence line on the east. Guard towers are situated throughout the area. A small area (item 1)\* under construction immediately south of the security fence does not appear to be associated with the POL storage site. The eight-tank, rail-served POL storage tank area (item 2) located west of the Trans-Siberian Railroad and 0.5 nm southwest of the POL storage site does not appear to be directly associated with the POL site. A single-track rail spur and road enter the southwest sector of the site from the town of Ippolitovka. In addition, the site is connected by a good road to the Vladivostok-Khabarovsk highway to the east. The administration and housing areas

are located generally in the southwest corner of the installation. The warehouse and open storage areas, served by both road and rail, are in the western and central sectors. The eastern sector contains mounded POL tanks (all except five of which are revetted), bunkers, and open storage of horizontal tanks. Most of the buildings and tanks existed in [redacted] and have been depicted in black on Figure 1.

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The new tankage, buildings, and construction noted on the [redacted] KEYHOLE photography are shown in red on Figure 1. Fifteen new mounded POL tanks, five of which were under construction in [redacted] have been added to the east side of the storage site and are served by new roads. These tanks are clustered in three groups of five tanks each. Approximately 12 new buildings have been added within the storage site. A new road, ending in a loop, extends eastward from the southwest sector of the site (item 3). Three possible buildings are located along the road, and one possible

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\*Item numbers are keyed to Figure 1.

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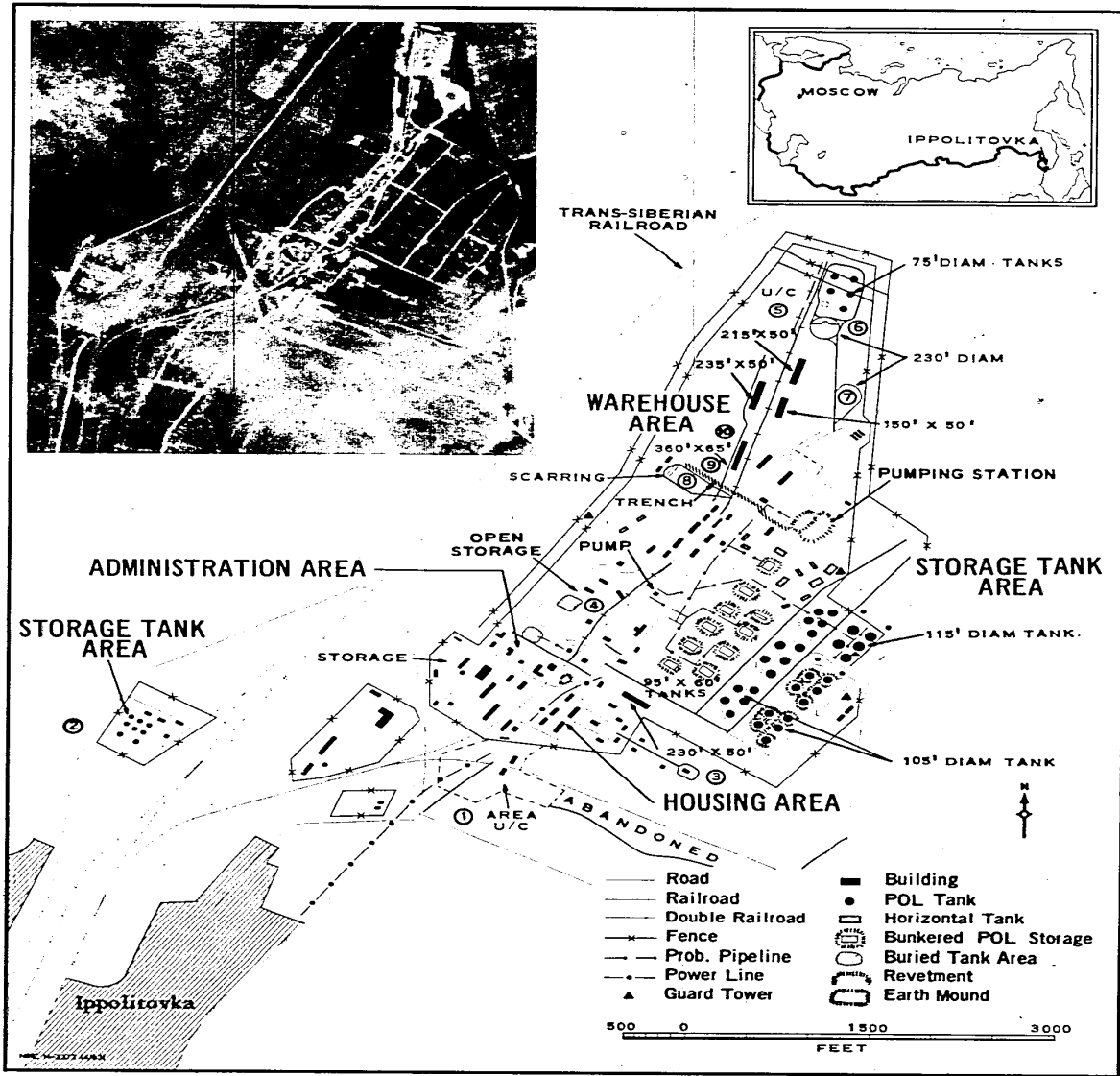


FIGURE 1. POL STORAGE SITE, IPPOLITOVKA, USSR. (Red denotes construction [blacked out])

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building is located within the loop. The security fence line visible on the [redacted] photography excludes this new road. Whether or not the fence has been extended to include this facility cannot be determined from the small-scale [redacted] photography. A possible siding (item 4) has been added to the main rail spur serving the installation. The northeast end of the main rail spur, which was under construction in [redacted] now appears to be complete. New construction activity is evident in the northern sector of the storage site. This activity is served by a new rail spur and possible siding (item 5). The probable removal or relocation of a guard tower and the extension of the security fence in this area can be attributed to this construction activity.

The construction activity at the northern end of the site (item 6), which comprises an area 500 by 350 feet, appears to be new tankage. This tankage is served by a rectangular road pattern which has a contiguous circular road pattern on the south. Within the rectangular road pattern are five probable vertical tanks with a diameter of 75 feet." A possibility exists that a sixth tank may have been installed, making two rows of three tanks each within the rectangular area. A parking apron is on the north side of the circular road, which is 230 feet in diameter.

Approximately 1,000 feet south-southeast of this area is a loop road (item 7) with a diameter of 230 feet. This may be a pull-off area for trucks or the beginning of construction activity for additional storage facilities. Two thousand feet southwest of the rectangular road pattern is another loop road (item 8) extending west from the main road serving the storage site. Two probable buildings are situated on the west side of the base of the loop. Across the road from these probable buildings is a small area

of unidentified ground scarring, possibly indicating additional construction. A trench noted on the [redacted] photography (item 9), possibly a pipeline under construction from the pumping station, ended in the area now containing the probable buildings. Only one of the buildings constructed since [redacted] is of significant size (item 10). This structure appears to be a warehouse or storage-type building approximately 360 by 65 feet and is located in the vicinity of the three large warehouses that were present in [redacted]

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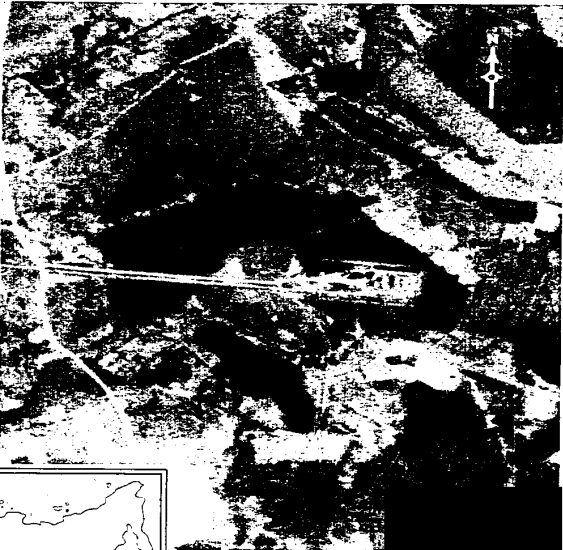
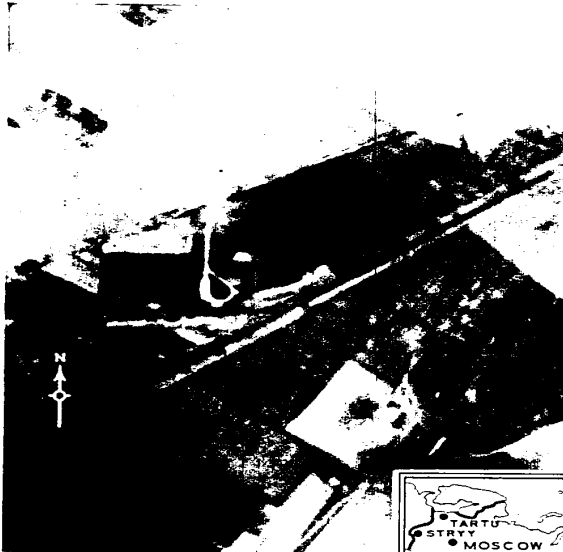
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The new construction in the northern sector of the POL site bears similarities to several probable POL storage sites that are not associated with large storage areas. Four examples of these are located near Astrakhan at 46-23-20N 47-57-50E, near Poltava at 49-35-20N 34-29-00E, near Stryy at 49-13-10N 23-45-20E, and near Tartu at 58-27-00N 26-41-30E (Figure 2). A feature common to all these installations is a rectangular road pattern with a contiguous loop road. All the installations are secured and are served by both road and rail. All the loop roads, with the possible exception of that at Astrakhan, have from one to three parking aprons. Small buildings are also visible at two of these installations.

Four vertical tanks are clearly visible within the rectangular road pattern at Astrakhan and appear to be for POL storage. One of the tanks, which is uncovered, is 75 feet in diameter. Another of the tanks, which is covered but not mounded, is 65 feet in diameter. The remaining two tanks are mounded and are 80 feet in diameter.

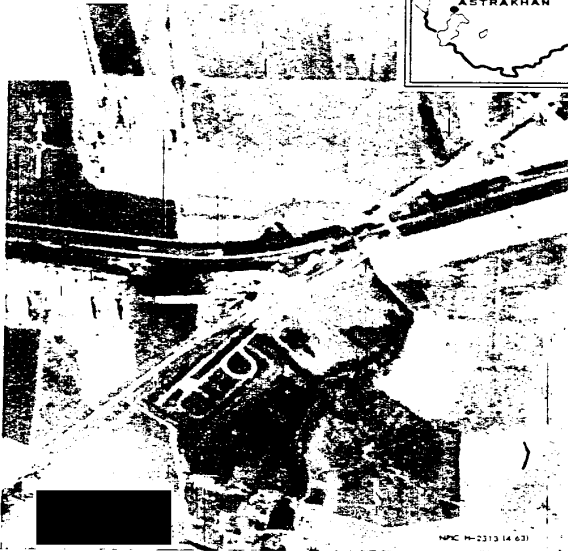
The area within the rectangular road pattern of the facilities at Poltava, Stryy, and Tartu is not clearly defined, but the visible outlines suggest mounded tanks.

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FIGURE 2. SELECTED PROBABLE POL STORAGE SITES. Note the similarity to the new construction in the northern sector of the Ippolitovka POL site.

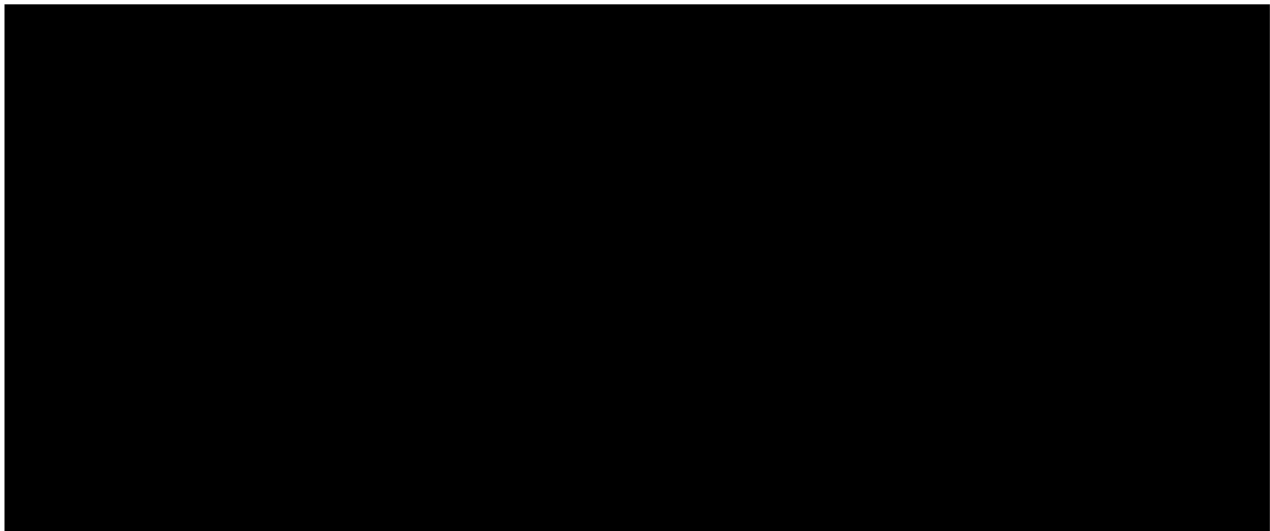
CONCLUSIONS

25X1D The existence of LOX rail cars and storage facilities for LOX cannot be determined from the extremely small-scale photography covering the Ippolitovka site. The buildings constructed since [REDACTED] cannot be confirmed or negated as providing facilities for LOX production or for missile storage. The 15 mounded POL tanks added since [REDACTED] appear to be for conventional POL storage. The fact that the activity in the

northern sector of the site is located within a large POL storage facility supports the assumption that it provides additional storage and handling facilities for POL products, although it has been compared with facilities not associated with large storage sites. In general, the Ippolitovka site appears to be a regional POL installation serving the many nearby airfields.

REFERENCES

25X1D



MAPS OR CHARTS

Ippolitovka

- ACIC. US Target Complex Chart, Series 25, Sheet 0262-9945-0-25A, 1st ed, Oct 55, scale 1:25,000 (CONFIDENTIAL)
- SAC. US Air Target Chart, Series 200, Sheet 0262-21A, 2d ed, Jul 59, scale 1:200,000 (SECRET)
- SAC. US Air Target Chart, Series 200, Sheet 0291-1A, 1st ed, Jun 56, scale 1:200,000 (SECRET)



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Astrakhan

SAC. US Air Target Chart, Series 200, Sheet 0246-14A, 1st ed, Aug 59, scale 1:200,000 (SECRET)

Poltava

SAC. US Air Target Chart, Series 200, Sheet 0234-11A, 2d ed, Jun 60, scale 1:200,000 (SECRET)

SAC. US Air Target Chart, Series 200, Sheet 0234-16A, 2d ed, Jun 60, scale 1:200,000 (SECRET)

Stryy

SAC. US Air Target Chart, Series 200, Sheet 0232-20A, 1st ed, Aug 57, scale 1:200,000 (SECRET)

Tartu

SAC. US Air Target Chart, Series 200, Sheet 0153-8A, 3d ed, Oct 59, scale 1:200,000 (SECRET)

SAC. US Air Target Chart, Series 200, Sheet 0153-13A, 2d ed, Jan 60, scale 1:200,000 (SECRET)

DOCUMENTS

1. SAC. DPIR-W26-57, 20 May 57 (TOP SECRET [REDACTED] 25X1A 25X1A)
2. Army, Moscow. [REDACTED] 21 Oct 59 (SECRET)
3. Air, Moscow. [REDACTED] 18 Apr 60 (SECRET) 25X1A
4. ACIC. TIS 0282-9945, Aug 55 (SECRET)
5. Air, Moscow. [REDACTED] 5 Sep 59 (SECRET)
6. Air, Moscow. [REDACTED] 15 Dec 60 (SECRET) 25X1A
7. Air, Moscow. [REDACTED] 27 Jul 61 (SECRET)
8. Army, Hq 569th ICG. Rpt No 0735B/61, 16 Oct 61 (CONFIDENTIAL)

REQUIREMENT

CIA. DDI/RR/E/R-61/61

NPIC PROJECT

JN-286/61

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1 Page

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NPIC/R-93/63  
May 1963

PHOTOGRAPHIC INTERPRETATION REPORT

SA-2 SAM SITE NEAR DJAKARTA,  
INDONESIA

2-7-63  
EH

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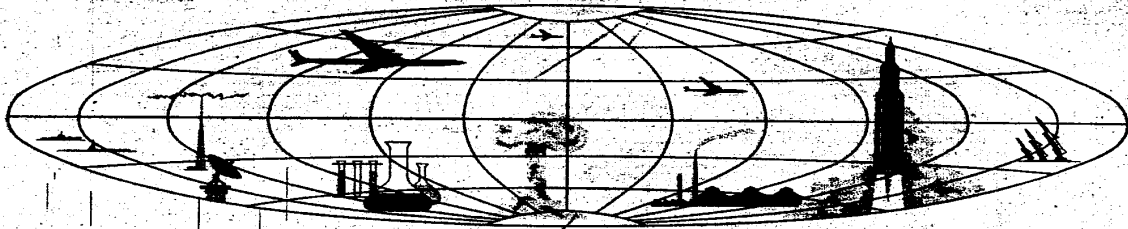
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**SA-2 SAM SITE NEAR DJAKARTA, INDONESIA**

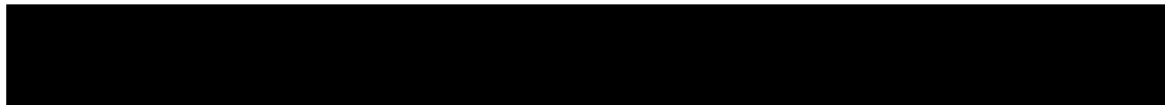
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An SA-2 SAM site has been identified on KEYHOLE photography of [REDACTED] at 06-03-20S 106-38-10E, 13.5 nautical miles northwest of Djakarta, Indonesia. The site appears complete.

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

AMS. Series T-503, Sheet SB 48-12, May 58 (UNCLASSIFIED)

REQUIREMENT

NPIC. PC 66-2 (partial answer)

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