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Approved For Release 2001/07/12 : CIA-RDP78T05439A000400060045-6

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DECLASS REVIEW BY NIMA / DoD

TCS 7677/64
M/EB 398/64
7 August 1964
Copy _____

MEMORANDUM FOR: Chief, Forces Division, ORR

25X1A

ATTENTION: [REDACTED]

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Soviet Type IIIA ICBM Sites

REFERENCES: (a) Requirement C-RR-4-81,569
(b) CIA/PID Project C 1156-64

1. This memorandum is in response to your requirement dated 6 July 1964 which requests an examination of all Soviet type IIIA hardened ICBM sites associated with the SS-7 missile system. This examination was made to determine differences, if any, between deployed sites constructed during different time periods and differences between D1 and D2 at the Tyura Tam Missile Test Center. Also any apparent relationships between D1 and D2 and the deployed sites were to be determined.

25X1D

25X1D

2. The 27 Type IIIA hard sites were considered as an early and a late group as requested. The early group of 16 sites were first observed under construction on photography between [REDACTED] The late group of 11 sites were first observed between [REDACTED] Listed below are the early and late groups and construction status.

EARLY GROUP

	Site	First Seen	Negation Date	Construction Stage *	Estimated Quarter Completed
25X1D	Yurya E	[REDACTED]	None	Complete	---
	Yurya G		None	Complete	---
	Novosibirsk E		[REDACTED]	Complete	---
25X1D	Shadrinsk A		None	Complete	---
	Shadrinsk B		None	Complete	---
	Kostroma E		[REDACTED]	Complete	---
25X1D	Verkhnyaya Salda F		[REDACTED]	Complete	---
	Verkhnyaya Salda G		[REDACTED]	Complete	---
	Plesetsk C		[REDACTED]	Complete	---
	Yedrovo E		None	Complete	---
	Yedrovo H	None	Mid	?	

GROUP 1
Excluded from automatic
downgrading and
declassification

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EARLY GROUP (continued)

Site	First Seen	Negation Date	Construction Stage *	Estimated Quarter Completed
Yedrovo I	[REDACTED]	None	Complete	---
25X1D Yurya K		[REDACTED]	Late	4th - 64
Olovyannaya A			Complete	---
25X1D Drovyannaya B			Complete	---
Novosibirsk C			Late	3rd - 64
25X1D * Stage of construction	[REDACTED]			

LATE GROUP

Site	First Seen	Negation Date	Construction Stage *	Estimated Quarter Completed
Perm F	[REDACTED]	[REDACTED]	Late	1st - 65
Shadrinsk C			Late	1st - 65
25X1D Olovyannaya B			Mid	2nd - 65
Drovyannaya E			Mid	2nd - 65
Drovyannaya F			Mid	2nd - 65
25X1D Gladkaya C			Early	?
Kostroma H			Mid	3rd - 65
Olovyannaya C			Mid	3rd - 65
Gladkaya D			Mid-late	2nd - 65
Gladkaya E			Early	?
Svobodnyy G	Late	2nd - 65		
25X1D * Stage of construction	[REDACTED]			

The photography of the early sites under construction did not provide structural details on exactly how the sites were constructed. Good quality, large scale photography over some of these sites now gives a much more detailed signature of the finished configuration. A limited amount of good quality, large scale photography of the late group of sites under construction indicates that the finished signature (of the facilities built within the excavation) will probably be similar to that of the early group. In overall gross features of construction, all of the sites in the late group appear to be similar to each other and to the sites in the early group.

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M/EB 393/64

Since the limiting factors explained in the above paragraph prohibits determination of structural differences, if any, between the sites, it was necessary to examine ancillary features for any correlation between the two groups of deployed sites and D1 and D2. Considered here were the construction of RIM facilities at deployed sites and differences in technical support facilities at D1 and D2.

25X1D In [REDACTED] initial scarring for the construction of a new facility was first observed at the early group of sites. This was approximately one year after the deployed hard site program was observed. This new construction was subsequently labeled a RIM facility (Receiving, Inspection, and Maintenance).
25X9 It was placed outside the secured launch site and consisted of one missile hold
25X9 building [REDACTED]
25X9 The largest number (six) of RIM facilities were first observed
25X1D at the early sites in the second quarter of [REDACTED] This time period corresponds to the beginning construction of the late group of hard sites. RIM facilities
25X1D have been first observed under construction at the early sites as late as
25X1D [REDACTED] of this year. None has yet been identified at the three sites at the Yedrovo complex. Some scarring at Yedrovo E in [REDACTED] may be an indication of initial construction. There remains some doubt as to whether Yedrovo H is actually a launch site.

25X1D

25X1D

25X1B

25X1D

25X1D

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TCS 7877/G4
W/ED 338/G4

25X1B

25X1D

25X1D

RII facilities are possibly under construction at Olovyanaya Launch Sites B and C, but when last seen on good photography construction was not far enough advanced to permit positive identification. Launch Site H at Kostroma is still too early in construction to identify the site components.

25X1D

Construction has ceased at the remaining two sites in the late group. Launch Sites C and E at Gladkaya appear the same in [REDACTED] as they did in [REDACTED]

25X1D

of this year.

25X1D

It is not possible to determine any structural differences between D1 and D2 at the Tyura Tam Missile Test Center. The surface features visible at D1 are consistent with those at the completed deployed sites in the early group. Launch Site D2, when completed, probably will present the same appearance. Two buildings have been constructed within the launch site at D2. One of these was probably under construction in [REDACTED] and both were visible in [REDACTED]. These appear to be arch-roof buildings (similar to the missile hold buildings at the RII facilities) and probably will be earth mounded. No comparable structures have been added to D1. The structures possibly could associate D2 with the late group of sites where the two missile hold buildings are within the site. The slow construction of D2 [REDACTED] still not completed [REDACTED]

25X1D

25X1D

25X1B

25X1B

25X1D

25X1D

Two new facilities were observed at the D complex at the Tyura Tam Missile Test Center in [REDACTED]. Construction of these had been initiated after [REDACTED]. One of these is an "L" shaped electronic facility 4,100 feet south of D2. Unidentified traces appear to connect this facility to D2. The other new facility, which may also be of an electronic nature (possibly telemetry receiving), is located 8,200 feet west of the "L" pattern. This facility contains one large building, a few smaller ones, and several unidentified objects. Neither of these two facilities has yet been identified at any of the deployed hard sites. The stage of construction of the late group does not preclude the possibility that they may yet be installed.

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3. The photo analyst on this project is [REDACTED] who may be contacted on extension 2078 should you have any further questions concerning this project.

4. This project is considered to be complete.

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