

SECRET

29

CIA/RR CB 60-20

Copy No. _____
30 March 1960

~~NOFORN/CONTINUED CONTROL~~ *del*

CURRENT SUPPORT BRIEF

USSR SEEKS STRATEGIC SYNTHETIC PLANTS

OFFICE OF RESEARCH AND REPORTS

CENTRAL INTELLIGENCE AGENCY

This report represents the immediate views of the originating intelligence components of the Office of Research and Reports. Comments are solicited.

W - A - R - N - I - N - G

This document contains information affecting the national defense of the United States, within the meaning of the espionage laws, Title 18 USC, Sections 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

SECRET

SECRET

~~NOFORN/CONTINUED CONTROL~~ *Selected*

USSR SEEKS STRATEGIC SYNTHETIC PLANTS

The USSR is currently negotiating with American and Japanese firms for the purchase of plants, including know-how, for the production of polyester film, which has important applications in the field of electrical insulation. 1/

This film has a wide range of industrial and military uses. It is used in capacitors, motor generators, and transformers. Wire and cable manufactured with this synthetic film is used in various types of equipment, including telephone, radar, atomic energy apparatus, radio, television, and a variety of electronic items of miniature and subminiature manufacture. The importance of miniature electrical components and of reliability of instruments made with the synthetic film is well illustrated in the development work of the various types of long-range missiles. Equally important work with radar, sonar, and automatic tracking equipment is also dependent on reliable components manufactured with synthetic insulation.

Synthetic film having certain specifications for use as insulation is embargoed by the Free World for shipment to the Bloc although know-how and equipment to produce the film is not specifically embargoed. 2/ Probably the major portion of the output of the plants falls within the specifications of the embargoed film. The specifications of the film to be produced in these plants correspond to those for Mylar, which is manufactured in the United States.

In addition to industrial applications, Mylar is used in the United States in the instrumentation cable made for the Titan ICBM project to provide for a long, reliable service. The film is also used to make magnetic recording tapes for light-weight airborne recorders, and has been used in the United States for high-altitude photography film.

Mylar has a lower electrical leakage, lesser sensitivity to humidity, and higher temperature resistivity, than standard insulating materials. End-products made with Mylar are more compact than those made with standard insulating materials. Age has little effect on the electrical properties of the film, a feature important in such equipment as missile controls.

Because of its properties, Mylar is replacing other insulating materials in the manufacture of capacitors, which play a vital role in electronic carrier equipment, providing many communications circuits needed for strategic warning stations such as the DEW line and Texas Towers. A recent development fostered by the miniaturization trend is the use of metallized Mylar in capacitors which are less than a fourth the weight and size of standard components.

The USSR lags behind the Free World in the production of plastic insulating materials having optimum temperature and electrical properties over a wide performance range. Recurrent efforts to overcome these problems constitute a part of the general effort of the USSR to expand and improve its capabilities to produce electronic components specially adapted for uses in advanced military electronic systems. The procurement of these polyester film plants would contribute significantly to this goal, providing an annual capacity of close to 8 million pounds of polyester film--about 45 percent of current United States production.

SECRET

SECRET

Analyst:



25X1A

Coord :

Sources:

25X1A

1.



COCOM Fact Sheet, IL 1920. C.

2.

Department of Commerce,



25X1A

25X1A

declassified

SECRET

SECRET
 ORR CONTROL STAFF PROCESSING SHEET

Subject CSM (USSR Importing Strategic Plants)
 Analyst [REDACTED] /JPE

Request by _____
 Routine _____

25X1A	Date	Initials	Remarks 25X1A
<p>I. <u>IN</u></p> <p>Source Unedited draft Edited draft Report Other</p>	25X1A		<p>On 23 Feb 60, [REDACTED] asked CL of ST/P to clear [REDACTED] 27 Jan 60, S/NF/LTD/NO DISSEM ABOARD/BACK ground USE ONLY - 3 portions were to be used in the prospective CSM.</p>
<p>II. <u>SECURITY</u></p> <p>a) Text check b) Sources to be checked</p>	25X1A		<p>[REDACTED] advised on 24 Feb 60 that of the three only the last sentence of #2 ("One plant will be located at Novosibirsk and the other at highway-Tajik") may be used. It used it is SECRET.</p>
<p><i>Releasable to</i> <i>Release authorized</i></p> <p>c) [REDACTED]</p>	21 Apr 60	mb	<p>Did not use the above source because so little info was cleared. Dropped from report.</p>
25X1C			<p>Per [REDACTED] (by phone)</p>
<p>d) Release requested: 1) initiated 2) received</p>			25X1A
<p>III. <u>OUT</u></p> <p>Report #1 sent to AD/RR Report #2 sent to DDI Report #3 given to [REDACTED] for sanitizing OL/PSD notified to disseminate Other action (including report number assigned)</p>	25X1A		

~~SECRET~~

130500

12 April 1960

MEMORANDUM FOR: Chief, Publications Staff, ORR

FROM

25X1A

SUBJECT

for [REDACTED]

: Release of Information for ORR CB 60-20,
USSR Seeks Strategic Synthetic Plants

REFERENCE

: Memo dated 7 April 1960 from C/St/P/ORR

25X1A

The information taken from [REDACTED] (Source #1
of reference Current Support Brief) has been cleared for
release in finished form [REDACTED]

25X1C

Copy 45 of CIA/RR CB 60-20 is returned herewith.

25X1C

Attachment A/s

~~SECRET~~

SECRET

12 April 1960

MEMORANDUM FOR: Chief, Publications Staff, ORR 25X1A
FROM : [REDACTED]
SUBJECT : Release of Information for ORR CB 60-20,
USSR Seeks Strategic Synthetic Plants
REFERENCE : Memo dated 7 April 1960 from C/St/P/ORR 25X1A

The information taken from [REDACTED] (Source #1
of reference Current Support Brief) has been cleared for
release in finished form [REDACTED]

25X1C

25X1C

Copy 45 of CIA/RR CB 60-20 is returned herewith.

Attachment A/s

SECRET

SECRET

7 April 1960

MEMORANDUM FOR:

[REDACTED]

25X1A

ATTENTION :

FROM :

Chief, Publications Staff, ORR

25X1C

SUBJECT :

Release of Information

25X1C

[REDACTED]

1. It is requested that information from the following source in CIA/RR CB 60-20, USSR Seeks Strategic Synthetic Plants, **SECRET/NOFORN/CONTINUED CONTROL**, 30 March 1960, be examined to determine whether or not there is any objection to the release of this information

25X1C

25X1C

[REDACTED]

25X1A

25X1C

25X1C

2. If this information is approved for release

[REDACTED] this source will be deleted from the bibliography before the report is forwarded to the foreign recipients.

25X1A

[REDACTED]

Attachments:

Copies 45 & 46 of CB 60-20

St/P/C:nb Distribution: O & 1 Addressee
1 St/P/C
1 Chrono

SECRET

TO: Chief, Dissemination Branch, Support Staff, OGI *Please return to S7/C5*
Approved For Release 2000/05/12 : CIA-RDP79T01003A000900200001-9

FROM: Chief, Current Support Staff, ORR **Brief**

SUBJECT: Distribution of Current Support Memorandum No. 60-20

USSR SEEKS STRATEGIC SYNTHETIC PLANTS

30 March 1960

(Title)

Brief (Date)

Please distribute the attached Current Support Memorandum No. 60-20 as follows:

Copy No.	Recipient	Copy No.	Recipient
1	DD/I)		
2-3	NIC)		
4-11	OCI Internal)		
12-18	NSA, [redacted])		
19-25	St/CS/ORR)		
			D-I-S-T-R-I-B-U-T-E-D B-Y O-C-I
26	AD/ORR	74	Ch/D/S/ORR
27	DAD/ORR	75	S/TD/ORR
28	Ch/E/ORR	76	S/TF/ORR
29-46	St/PB/C/ORR	77	S/TF-SP/ORR
47	St/PR/ORR		(via S/TF/ORR)
48	Ch/D/A/ORR	78	S/TR/ORR
49-50	A/U/ORR	79	S/COM/ORR
51	A/F/ORR	80	S/CST/ORR
52	A/E/ORR	81-82	D/GG/ORR
53	A/PC/ORR	83	D/GG/N/ORR
54	Ch/D/M/ORR		[redacted]
55	M/AG/ORR		212, Bldg. 11
56	M/CH/ORR	84-88	Ch/St/I/ORR
57	M/FM/ORR	89	St/I/R/ORR
58	M/NF/ORR	90-91	St/I/P/ORR
59-61	M/FP/ORR	92	EIC/S/ORR
62-63	Ch/D/I/ORR	93	CCS/PIC
64-67	I/GM/ORR		Attn. [redacted]
68	I/ME/ORR		514 Steuart Bldg.
69	I/MS/ORR	94	EE/ONE
70	I/PE/ORR	95	NED/OSI
71	I/AR/ORR	96	IPS/CSS/OSI
72	I/SH/ORR	97	DAD/OCR
73	I/EE/ORR	98	OISD
			[redacted] 25X1A
			2709 L Bldg. 25X1A
		99	[redacted] I/PE
			(Analyst/Branch)
			25X1A (Analyst/Branch)

*105-111-Desk
114-115-Desk
2 m-Desk*

*19-22-Desk
24-25-"
101, 102, 104-Desk*

*112 - HE MF
113 - [redacted] 25X1A*

Additional Distribution:
97,100 OCR Documents Division
Standard Distribution Desk

25X1A

116 St/P/C (V.M.) 25X1A

25X1A

101-116115 [redacted]

Distributed: 6 APR (Date)

[Signature] (Initials)

SL [redacted]

Chief, Current Support Staff

Please return to ST/CS
30 March 1960

Approved For Release 2000/05/12 : CIA-RDP79T01003A000900200001-9 (Date)

TO: Chief, Dissemination Branch, Support Staff, OCI
FROM: Chief, Current Support Staff, ORR **Brief**
SUBJECT: Distribution of Current Support Memorandum No. 60-20

ST/CS

USSR SEEKS STRATEGIC SYNTHETIC PLANTS 30 March 1960

(Title) (Date)

Please distribute the attached Current Support Memorandum No. _____ as follows:

<u>Copy No.</u>	<u>Recipient</u>
1	DD/I
2- 3	NIC 25X1A
4	AD/OCI (via [redacted])
5	CA/SSB/OCI
6	PRES/OCI
7	CS/ECON/OCI
8	NSAL
9	INDICO/OCI
10	_____/OCI
11	_____/OCI
12-18	Director NSA Washington 25, D. C. Attention: [redacted] 25X1A
19-25	St/CS/ORR
26- 116	Chief, St/I/D/ORR 1338 M Building 25X1A

Chief, Current Support Staff

Distributed: _____ (Date)

ESMT.
(Initials)

Approved For Release 2000/05/12 : CIA-RDP79T01003A000900200001-9

RR/St/CS: [redacted] j1/4555(29 July 59)

SECRET

UNCLASSIFIED

INTERNAL USE ONLY

CONFIDENTIAL

NOF-CC
 SECRET

Approved For Release 2000/05/12 : CIA-RDP79T01003A000900200001-9

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

CSB DRAFT: USSR IMPORTING STRATEGIC PLANTS

FROM:

NO.

Ch/St/CS

DATE

8 March 1960

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

25X1A

25X1A

25X1A

25X1A

		DATE		OFFICER'S INITIALS
		RECEIVED	FORWARDED	
1.	Monitor [Redacted]	3/8/60	3/10/60	JY
2.	Typist [Redacted]	3/16/60		
3.	Proofers [Redacted]	21 Mar 1960		EW
4.	Monitor			
5.	Author [Redacted]	28 Mar		VM
6.	Ch/St/CS	28	28	RW
7.	Ch/ERA	28 Mar	29 Mar	Elm
8.	Ch/St/CS	29 Mar	29 Mar	HE
9.	OCI Printers			
10.				
11.				
12.				
13.				
14.				
15.				

Checked for technicalities with [Redacted] 3/16/60.

25X1A

25X1A

[Redacted] sick.

[Redacted] says ok.

7-8

Correct television on p. 9

Elm

FORM 1 DEC 56

610

USE PREVIOUS EDITIONS

SECRET
NOF-CC

CONFIDENTIAL

INTERNAL USE ONLY

UNCLASSIFIED

Approved For Release 2000/05/12 : CIA-RDP79T01003A000900200001-9

CSM No. 60-20

Date 30 MAR 60

29 File copy

30

31

32

33

34

35

36

37

38

39

40

41-44

45-46

45 Ret'd, 15 Apr 60
Rel'd to CSS

rec'd 6 Apr 60

45 Destroyed 10 Sep 61

112 Records center 10 Sep 61

STATINTL

STATINTL