

**SECRET**

November 9, 1948

**MEMORANDUM FOR**

**Mose L. Harvey, Chief  
Eastern European Branch, DRE**

It is requested that your office make a preliminary search and report on graphite plants in the Soviet Union. It would be appreciated that, if possible, this preliminary report be made available by November 23.

The following information of varying reliability available from other sources may serve as an aid in your search:

a. There is a very good carbon electrode plant near Chelyabinsk (possibly named Elektroodny Zabredie). Up to 1938 they could not make graphite electrodes. Postwar information obtained from returning PW's indicates that graphite electrodes are made here, but it is not clear in those reports whether the informants would know the difference between carbon and graphite electrodes.

b. There is a natural-graphite concentration plant at Kyshtym called the Tadjinski Grafitovi Combinat, said to produce 15 tons of graphite and somewhat more corundum per day.

c. Near RR station Kudinovo near Noginsk is the Elektro-Ugli Factory which is said to make carbon electrodes for electric motors, searchlights, etc.

d. Pravda, 27 July 1945, boasted about a large increase in the production of electrode grade coke in the Kemerovo coke-chemical plant.

e. Prior to the war, there was a Dniprorski electrode factory attached to the aluminum plant near Zaporozhe. It is suspected that it produced electrode carbons exclusively and was destroyed during the war along with the aluminum plant.

f. Graphite electrodes are made from either petroleum coke or low ash coal coke binded with either coal tar pitch or petroleum pitch.

The

1A - Harvey  
2A } Files  
3A }

**SECRET**

**SECRET**

-2-

The emphasis in this report should be placed on artificial graphite plants and production, including as complete detail as possible on location, name, organizational connections, name of key administrative personnel, sources of raw materials, and destinations of finished product. Carbon electrode plants should also be included since these are often made prior to graphitization. Also to be included are plants concentrating natural graphite ores or making electrodes from natural graphite. Aluminum plants which in the USSR usually have carbon electrode sections in the same complex might also be included.

Mr. Chase of my office and Mr. Wiedemann have already discussed this matter informally.

R. Gordon Arneson

*K RGD*  
U:JChase:nrs

**SECRET**

DECLASSIFIED  
Authority *NNDS77002*

**NATIONAL  
SECURITY  
ARCHIVE**

This document is from the holdings of:

The National Security Archive

Suite 701, Gelman Library, The George Washington University

2130 H Street, NW, Washington, D.C., 20037

Phone: 202/994-7000, Fax: 202/994-7005, [nsarchiv@gwu.edu](mailto:nsarchiv@gwu.edu)