

CENTRAL INTELLIGENCE AGENCY
SECURITY INFORMATION

INFORMATION REPORT

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COUNTRY USSR (Sverdlovsk Oblast)

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SUBJECT Aluminum Plant in Turinsk

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INFO.

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SUPPLEMENT TO
REPORT NO.

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[REDACTED] (6'N), Sverdlovsk Oblast, Aluminum Plant is about 550 meters north of the New Turinsk town edge, west of the railroad line Sverdlovsk - Bayanovka. The Krasno Turinsk railroad station is at the northeastern edge of the plant area.

2. Plant installations:

a. The plant construction which was started in 1941 assumed production on the 1943 anniversary of the October Revolution. During the time of observation the plant was enlarged following the program of the Five Year Plan. According to Soviet statements this project is scheduled to be completed by 1955.

b. The plant buildings were not in good condition. Many installations were weather-beaten. The road to the plant was only a path. A railroad connection was available. The power plant was constructed in 1942, first enlarged from 1945 to 1947, and enlarged for the second time in the Fall of 1949. For layout see Annexes.

3. Work force:

About 7,000 laborers, of whom 3,000 were Soviet civilians, 2,000 convicts, 2,000 ethnic Germans from the Volga area and the Ukraine, and about 100 PWs.

4. Production:

Raw aluminum. Soviets said that the bauxite requirements of the plant were supplied by resources in the vicinity.

Comment:

a. This second largest aluminum plant of the Soviet Union, designated Bogoslovski Aluminum Zavod has been repeatedly reported. In addition to economic data on the plant the reports generally concerned the plant

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The presumably correct location obtained by the evaluation of all information available by the summer of 1949, was stated in an evaluation report. The present report confirms the plant location. The identity of New-Turinsk and the known Krasno-Turinsk can be assumed.

The plant is about 2 km west of Turinsk, north of a conspicuous reservoir. The town of Turinsk is entered on maps. [REDACTED]

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b. The plant layout of this extensive plant, which is still being enlarged, is not clarified. It is possible that the location and type of construction of the most essential plant buildings were correctly recorded on the attached sketch and legend.

[REDACTED] almost the same location of the aluminum dressing plants, SW of the large power plant (No 15), and the new plant department "5th Series". According to previous definite information the Turinsk-Karpinsk railroad line separates the new northern section from the old one.

c. It is assumed [REDACTED] only observed part of the plant and was therefore mistaken as to the work force of 7,000 laborers. According to previous reports and Soviet press information from November 1949, it was 30,000. A constant increase up to 60,000 laborers was planned.

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1 Annex: Aluminum Plant in Turinsk.

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- 1 Bauxite mill, wooden structure, 45 x 18 x 13½ meters with two mills and one conveyor belt to building No 2
- 2 Mixing shop, wooden structure, 45 x 18 x 13½ meters with four mixing drums and a pipe line to building No 3
- 3 Wooden building, 45 x 18 x 13½ meters, with four furnaces. The solid slag-like substance is sent on a conveyor belt to building No 4.
- 4 Mixing shop, brick building, 64 x 23 x 13½ meters, with 8 mixing drums, 8 filters, and a conveyor belt to building No 5
- 5 Drying chamber, brick structure, 18 x 18 x 13½ meters with four furnaces. Connected with building No 3 by a reserve conveyor belt.
- 6 Transformer station
- 7 Two aluminum smelting plants, slag-concrete buildings each 180 x 27 x 18 meters. The western building, still under construction; the eastern building with 124 smelting furnaces and 80 molds.
- 8 Repair shop, designated "RMZ", brick building, 90 x 36½ x 18 meters with lathe shop, forge, and electric workshop
- 9 Bauxite stores with spur track, wooden building
- 10 Aluminum processing shop under construction, iron structure with brick lining, 180 meters long, the height of the building was not determined; brick smokestack more than 60 meters high. Soviets said the future purpose of this workshop will be the final cleansing (refining) of the processed raw aluminum. The installation of a rolling mill was planned.
- 11 Storage area with machinery from the Lauta Aluminum plants
- 12 Transformer station for building No 7 with two large transformers, make AEG
- 13 Mechanical workshop for construction requirements, fitting of iron structure parts.
- 14 Iron foundry with two small smelting furnaces for machine spare parts; also a molding shop
- 15 Power plant
 - a. Oldest section constructed in 1942 with 90-meter smokestack and railroad connection. Three sheet-metal smokestacks were on the roof. Three boilers in horizontal position for coal dust and oil fueling drive three turbines.
 - b. Annex, constructed from 1945 to 1947, with three sheet-metal smokestacks on roof, same installations as in the old section.Size of section a and b together 230 x 45 x 18 meters, iron structure with brick lining.
 - c. Second Annex under construction, 90 x 45 x 18 meters with brick smokestack 45 meters high, to be installed like a and b above.The power plant supplies electricity to the aluminum plant and "5th Series" plant north of it.

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- X 16 to
- 18 Three cooling towers, 11 meters high and 13½ meters in diameter, with wooden coating
- 19 Cooling plant outside of the plant area with 20 fountains.
- 20 Construction site of the power plant
- 21 Water sterilizing plant under construction intended for plant and town requirements
- 22 Open-air transformer station of the new power plant, no details available on the number of oil transformers
- 23 Fire department
- 24 Administration and laboratory, four-story brick building 60 x 18 x 11 meters.

B. Old Municipal Power Plant

- 1 Boiler and turbine house with one turbine
- 2 Brick smokestack, 36 meters high
- 3 Cooling plant

C. Wood working plant

D. Camp for Soviet convicts

E. "5th Series" plant with

- a. Power transmission line from power plant of the aluminum plant. The installation was *sedret* and strictly guarded.

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