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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY USSR (Sverdlovsk Oblast)

REPORT

25X1

SUBJECT Technical Rubber Products Plant (RTI) near Sverdlovsk

DATE DISTR.

23 June 1954

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7

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REQUIREMENT

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PLACE ACQUIRED

REFERENCES

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1. The Technical Rubber Products Plant, RTI, (Rezinovyye Tekhnicheskiye Izdeliya) was [redacted] located south of Sverdlovsk (N 56-50, E 60-40), west of Uktus, southwest of a large airfield, and north of a slaughter house or meat factory, which was separated from the rubber factory by a road. The plant had a railroad connection to the Sverdlovsk - Uktus - Chelyabinsk (N 55-10, E 61-25) railroad line, and street car connection to Sverdlovsk. (See location sketch on page 6.)¹

25X1

2. [redacted] the rubber plant was subordinate to the UNR 754 Concern (sic). Construction work on the plant was started in 1950. The meat factory had housed a rubber plant transferred there from Moscow during the war. The rubber producing facilities were to be transferred to the RTI plant, and production was to be widely extended. The new production program was to include the manufacture of tires for motor vehicles and bicycles. [redacted]

25X1

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[redacted] the plant was scheduled to be completed in 1954 [redacted] in addition to those buildings under construction by September 1953, other buildings were planned. By September 1953, two production shops, known as Korpus D and Kleyevaya; the sawmill; the concrete factory; and the transformer station were already in operation. Workshops Korpus A, V, B, G, and E, as well as a large boiler house, were under construction or in process of being installed during the reported period.

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25X1

3. [redacted] the plant covered a site about 250 x 250 m with five production shops, two of them in operation and three under construction; a transformer station; water supply installations; and auxiliary construction shops. Power was supplied from Sverdlovsk via an underground high-tension cable with a voltage of 30 kv (sic). No plant-owned power source was available or under construction. Steam was to be supplied by the new boiler house. [redacted] prior to September 1953, steam for power and heating was supplied by the old rubber factory installed in the meat plant [redacted] steam was produced in the basement of Korpus D

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25X1

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25X1

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25X1

-2-

and fed to the other workshops via a pipe line, 30 cm in diameter. Water supply difficulties were to be solved by speeding up the construction of the reservoirs and the water tower. (See plant layout sketch on page 3)¹

4. Production was carried on in two workshops. Rubber solution and gummed fabrics were manufactured in the workshop referred to as Kleyevaya. Gloves, bowls, mats, and various small articles such as rubber discs, footrests and saddles for motorcycles, protective caps for ignition cables, cone belts, thin rubber hoses, and conveyor belts, 50 to 150 cm wide and one-and-a-half cm wide, were manufactured in the workshop called Korpus II. Since the sources had no access to the fenced-in operating workshops, the type of production could only be guessed from the waste piled up near the workshops. No information was available on the output.
5. Raw materials received at the plant included bales of yellow caoutchouc, which allegedly came from India, Borneo, and the United States; and bales of black caoutchouc and synthetic rubber, the supply of which was increased during the last months before September 1953. Sacks filled with a soot-like fine powder referred to as Guma (sic), bales of cotton and linen fabrics, and an inflammable liquid for the production of rubber solutions, which arrived in railroad tank cars, were also received at the plant.
6. The staff of the rubber plant included one Lermann (fnu) [redacted] who was chief of the construction company, and Makarov (fnu) [redacted] construction superintendent. [redacted] the productive work force of the plant amounted to 200 to 250 persons per each of the three eight-hour shifts.
7. The plant area was surrounded by a board fence, three meters high. Watchtowers had been erected along the fence. The Korpus D and Kleyevaya workshops were seperately fenced in. Passes with photographs were required for access to the plant area, which was guarded by MVD sentries.

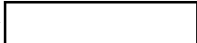
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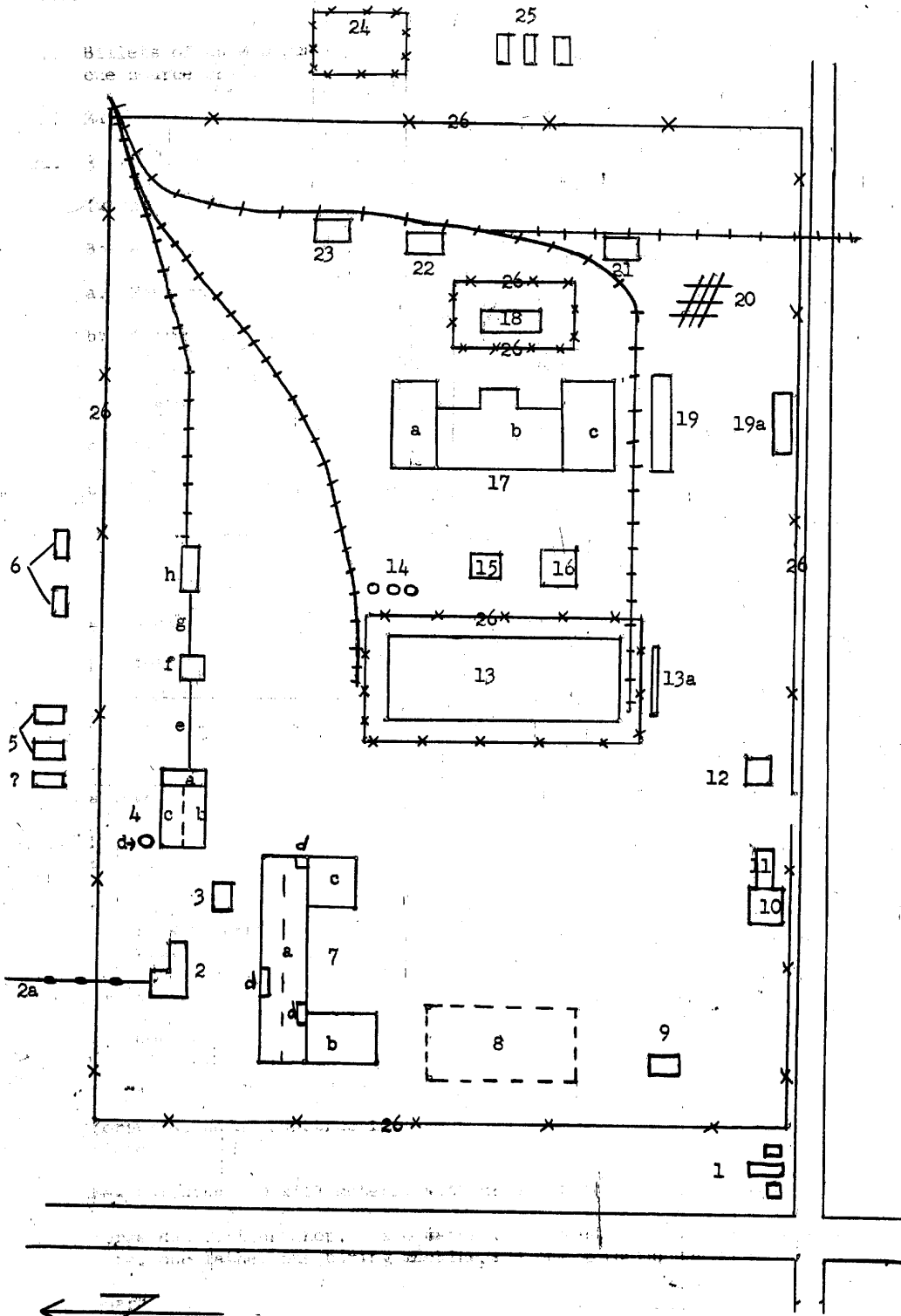
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25X1

-3-

Layout of RTI Rubber Plant



Not to scale

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25X1

-4-

Legend for Layout Sketch on page 3

- 25X1
1. Billets of an MVD guard detail of 120 men. 25X1
 2. Main transformer station with three large transformers. (See sketch on page 7).
 - 2a. 30-kv underground power transmitting cable.
 3. Two-story transformer house or switching station, 8 x 15 meters.
 4. Boiler house, 25 x 60 meters.
 - a. Four-story office section of building.
 - b. Three-story section of building, about 10 meters high, equipped with three or six modern boilers. The boilers came from a German machine factory in Greiz. The coal dust was fed through pipe lines from bunkers installed over the boilers.
 - c. Two-story part of building, about 5 meters high.
 - d. Brick smokestack, 60.5 meters high.
 - e. Coal elevator.
 - f. Coal grinding shop with six to eight coal mills.
 - g. Coal elevator.
 - h. Automatic unloading devices used to unload coal from railroad cars and bunkers.
 5. Finished products store and fire department.
 6. two new buildings under construction at this place, allegedly a gas works.
 7. Large workshop under construction, 100 to 120 meters long, with two side wings.
 - a. Korpus A. A two-wing building, equipped with overhead crane installations. It was unknown whether the 100 to 150 ventilators stored in the building would be installed.
 - b. Korpus B.
 - c. Korpus V.
 - d. Transformer cabins.
 8. Korpus G, under construction, 20 x 100 meters. The foundations were completed.
 9. New building, 10 x 14 meters, with ground-floor living accommodations.
 10. Forge and fitting shop, 6 x 6 meters, equipped with one coal-burning forge fire, one lathe, one boring machine, and one grinding machine.
 11. Guard house.
 12. Three-story administration building, 8 x 15 m.

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25X1

-5-

13. Korpus D, about 20 x 100 meters, in operation since 1952 and off limits to all PWs.

25X1 13a. [] a concrete wall, 5 meters high, south of item 13; purpose unknown.

14. Three concrete water containers, 5 meters deep, 8 to 9 meters in diameter, for the water supply of the plant.

15. Concrete building, 8 x 12 meters, which [] housed a transformer station. [] an iron pipe line, 30 cm in diameter, extending from the cooling tower to Korpus E, passed through this building. 25X1 25X1

25X1 16. Water cooling tower, wooden structure, 20 to 24 meters high. The water basin installed was 10 x 10 meters large. [] this building as a hydrogenation plant. 25X1

17. Korpus E, 20 x 100 meters. The building was being installed in September 1953.

a. Two-story part of the building with many small rooms equipped with concrete foundations for machinery. One room housed a riveted iron tank, 1.5 meters in diameter and 4 meters high.

25X1 b. Two-story part of the building with various large foundations for heavy machines. Large rolls and presses were being installed. [] 25X1 [] 10 rolling machines with rolls 1.5 meters long and 25X1 60 cm in diameter. [] various Soviet machine tools such as 30 to 40 lathes, four or five grinding machines. The floor was provided with many channels for cables.

c. Five-story part of the building with small tiled rooms on the ground floor; one corridor with rooms on either side on the second and fourth floors; and one large vacant hall on the third floor.

25X1 18. Kleyevaya Workshop, 12 x 25 meters, in operation since 1952. No information 25X1 was available on the installations. It was noticed from without that the building was equipped with an extensive ventilator system and that it had no lights. The workshop produced rubber solution which was shipped in sheetmetal containers. [] large bales of linen or other fabrics were shipped to the building and [] gummed, black cloth left the workshop. Triethyl chloride supplied in steel bottles was allegedly used in the workshop.

19. New building, probably for the storage of raw caoutchouc and other raw materials.

25X1 19a. Storage shed for raw caoutchouc and a soot -like substance. [] 25X1 [] an open-air dump at this place with caoutchouc in paper bags, piled up 51 x 50 x 5 meters.

20. Timber dump.

21. Saw frame.

22. Concrete plant, wooden building with four concrete mixers working for plant requirements.

23. Tools and construction materials store.

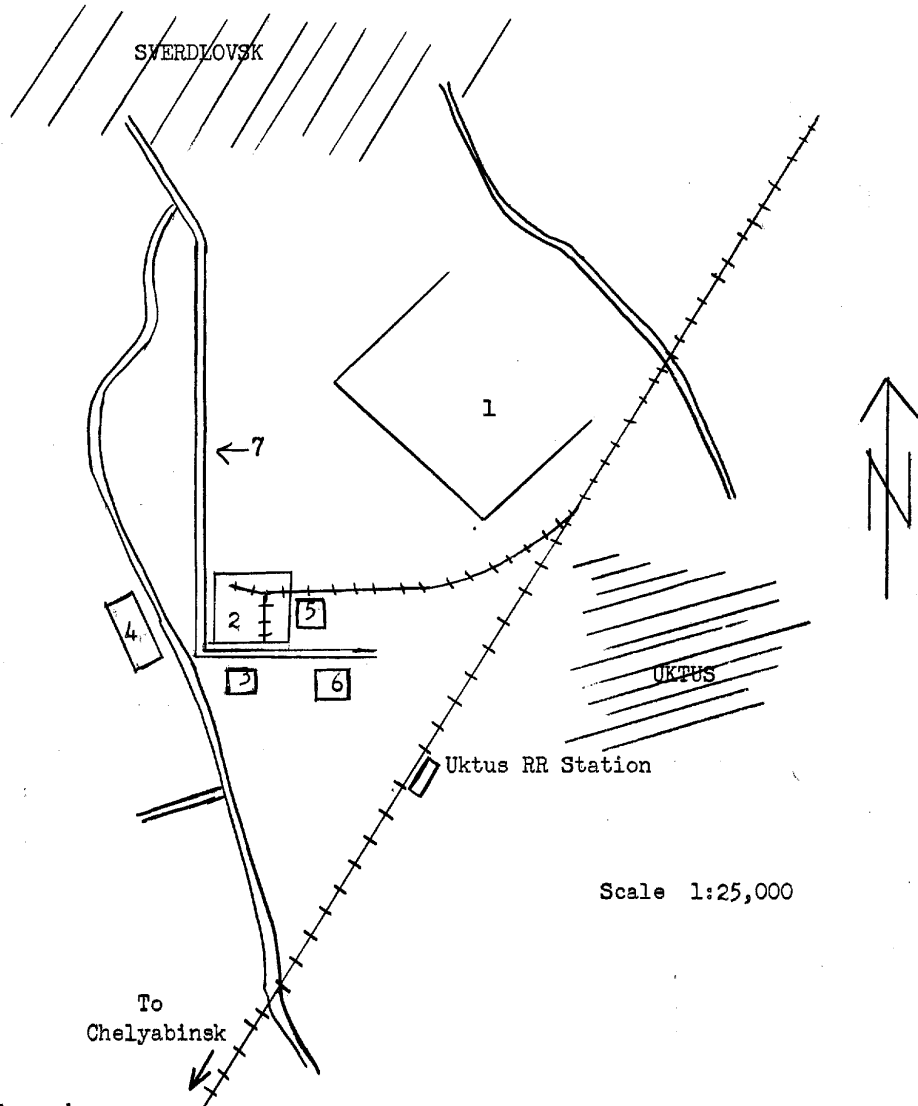
24. PW Camp No. 6118/0.

25. Three stores with food and consumer goods.

26. Fence.

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Location Sketch of RTI Rubber Plant



Legend

- 1. Airfield.
- 2. RTI Rubber Plant.
- 3. Old Rubber Plant installed in meat factory.
- 4. Cold storages of meat factory.
- 5. PW Camp
- 6. Ceramics factory.
- 7. Road with streetcar line leading to Sverdllovsk.

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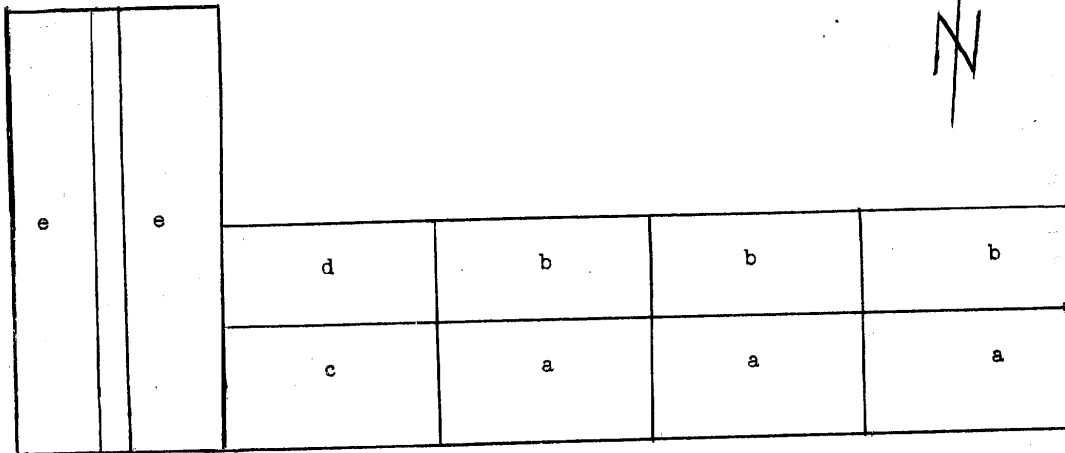
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25X1

-7-

Main Transformer Station of the RTI Rubber Plant

Not to scale

Legend

- a. Three large cabins on the ground floor, each equipped with one large transformer moving on rails. Rails also ran along the south side of the building. A wooden frame with hoist was available.
- b. Transformer installations on an elevated floor, equipped with ventilators.
- c. Part of building with nine vacant cabins. Current-conducting rails with porcelain insulators ran along the ceiling of the cabins.
- d. Elevated floor with iron switch boxes.
- e. Single-story hall with one center aisle and small cabins on either side with one or two switch boxes arranged one above the other.

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