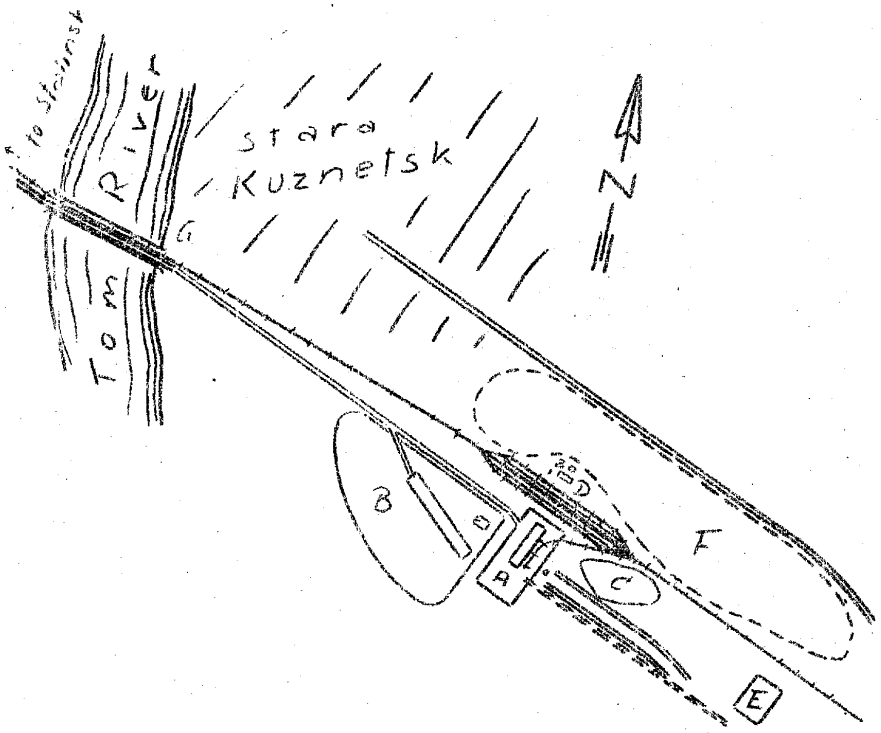
25X1

CENTRAL INTELLIGENCE AGENCY

25X1

Location Sketch of the Stalinsk Power Plant



scale 1 50,000

Legend:

A Power plant
B Aluminum plant
G Sawmill
D Metallurgical plant or foundry
1 workshop, 12 x 40 x 120 m, with four rectangular smokestacks, projecting two meters above the roof
2 Cooling basin
E P/ camp No. 7525/6
F Open area, projected construction sites for industrial installations
G Steel bridge over the Tom River.

CONFID. TIAL

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25 YEAR RE-REVIEW

25X1

CENTRAL INTELLIGENCE AGENCY

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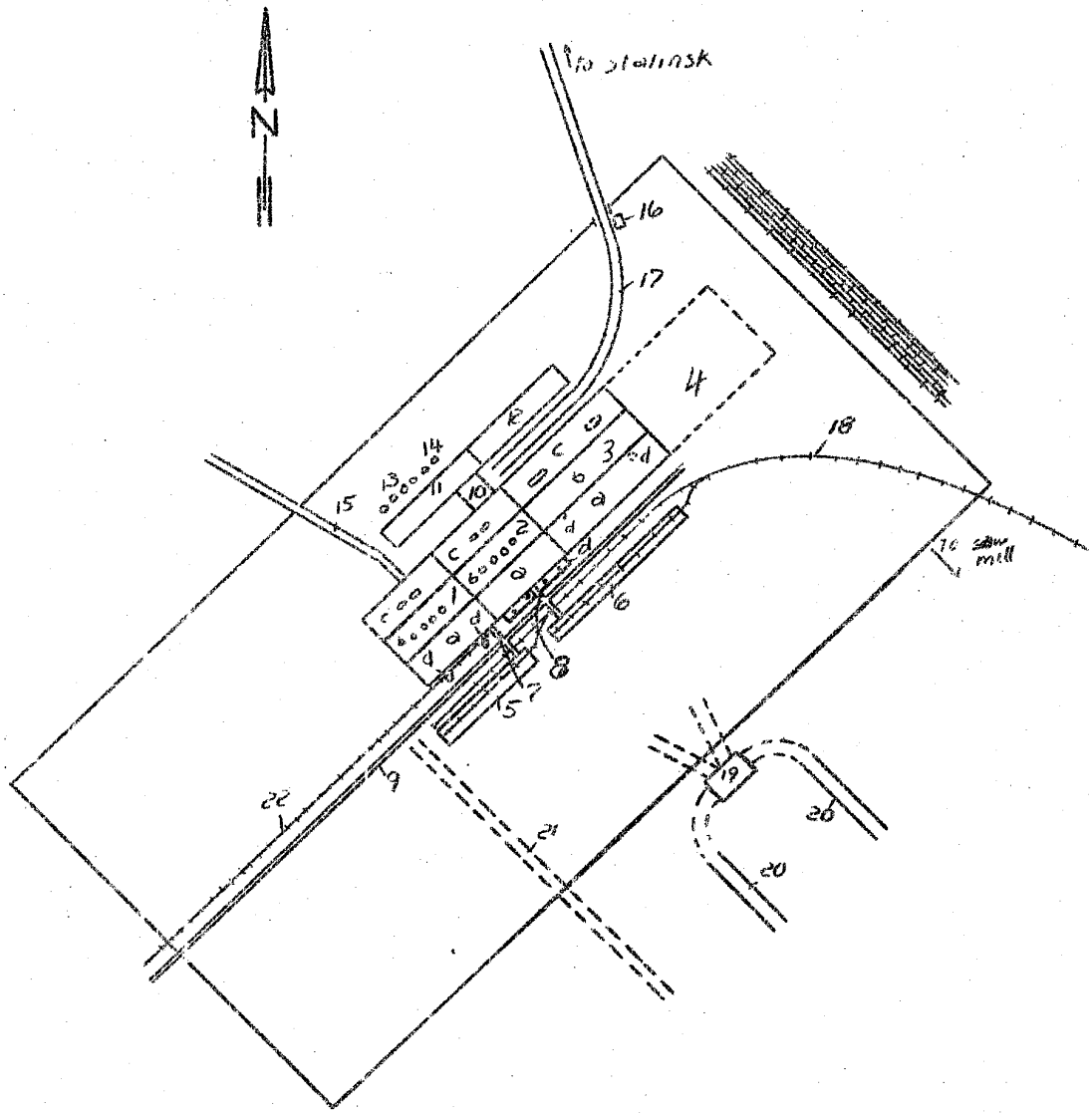
Layout Sketch of the Stalinsk Power Plant



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For explanation see attached list.

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SECRET IDENTIAL

CENTRAL INTELLIGENCE AGENCY [redacted] 25X1

1. Section I of the turbine house. This section, measuring 25x80x30 meters, reportedly was put into operation in 1943.

   a. Coal grinding mill and blower installation.

   b. Boiler room with four boilers, 3.5 meters in diameter and 8 to 10 meters high.

   c. Turbine room with two horizontal turbines, 7 meters long and 3.5 meters high. [redacted] the turbines had a capacity of 17,500 kw, and were constructed at the Ganz Firm in Budapest. The front sides were semi-circular, and the turbines were half underground. 25X1

   d. Two smokestacks, each 30 meters high, made of sheet metal painted black. The smokestacks were 40 meters apart and 3 meters from the building.

2. Section II, 25x80x30 meters, put into operation on 31 March 1947, [redacted] 25X1

   a. Blower installation.

   b. Boiler room with four boilers, similar in type and size to the boilers in Section I.

   c. Turbine room with two General Electric turbines similar in type and shape to the turbines of Section I. [redacted] the turbines in Section II each had a capacity of 20,000 kw. All the equipment in Section II was received on lend-lease [redacted] 25X1 25X1

   d. Small annex, 6x70 meters and 12 meters high, with four sheet metal smokestacks, about 27 meters high.

3. Section III, 25x80x120 meters. Construction of this section began on 1 July 1948.

   a. Blower installation, not yet equipped.

   b. Boiler room, presumably to be equipped with four boilers. The boilers were being erected in December 1949.

   c. Turbine room, where one turbine was being assembled and one was awaiting installation. The first of the turbines was scheduled to start operating in December 1949. But since the turbine was still being assembled at this date, its operation had to be postponed to April or May 1950. Because of this failure a [redacted] 25X1
   General [redacted] made his appearance at the plant in 25X1
   December 1949. He threatened the most severe punishment for anyone responsible for the delay. The second turbine of this section, turbine No 6 of the power plant, was scheduled to be ready for operation in the Spring of 1951. [redacted] 25X1
   the turbines had come from Leningrad. [redacted] 25X1
   they were Soviet made and had a total capacity of 75,000 kw. Large parts arrived on special railroad cars, some parts being loaded on two cars coupled together. [redacted] the 25X1
   lower half of a turbine casing weighed 15 tons.

   d. Two smokestacks. One, made of sheet metal and 30 meters high, was completed.

4. Section IV, whose foundations, measuring 30x120 meters, were completed in 1949. It was said that the two turbines for this section would also come from Leningrad. This and the fact that Section IV was to be equal in size to Section III indicated [redacted] that the future capacity of the fourth section would also be 75,000 kw. 25X1

5. Open concrete coal bunker, 15x100 meters, with a spur track.

6. Coal storage building, single story stone structure, 12x150 meters, with a spur track.

7. Inclined coal conveyor belt, 30 meters, long. From the bunker the belt ran underground for 10 meters, then it sloped upwards reaching a height of 12 meters at the point at which it entered Section I of the turbine house, the belt was 2 meters wide and 2 meters high, and it was protected by a roof.

8. Inclined coal conveyor belt, 32 meters long, similar to No 7 above, but leading to Section II.

9. Concrete canal, 1.5 meters wide, 3 meters deep, designed to float the ashes away.

10. Building under construction, 22 meters square, with a basement, 8 meters deep. Soviets said that the buildings would have 15 floors, with the second and the third floors housing the transformers. The rest of the building was to be occupied by the plant administrative offices.

11. Distributor station, about 20x100 meters.

12. Building of unknown purpose, about 20x100 meters. During 1949, interior work was done on this building. Source believed that it would also become a distributor station.

13. Four air-cooled transformers [redacted] 25X1
About 4 meters high and built on concrete bases 1 meters high, these transformers were about 10 meters from the distributor station and 6 meters apart. These oval shaped transformers had a smooth surface and were painted gray. Small vents were observed. A slanting insulator 1.5 meters long pointing away from the transformer was attached to each of the two curved sides.

14. Two Hungarian oil-cooled transformers similar in size to the [redacted] 25X1 transformers. They had coiled cooling pipes on the outside and also two insulators, about 1 meters long. The distributor station and the transformers were interconnected by numerous uninsulated copper wires, about 4 cm in diameter.

15. Cable bridge, about 300 meters long, 6 meters wide and 3 meters high. This bridge, leading to the aluminum plant, was made of concrete slabs and was supported by six or eight brick piers placed at intervals of about 8 meters. The type and the number of cables were not determined. Source pointed out that the cable bridge started at Section I of the turbine house, and not from the distributor station.

16. Plant entrance with guard house.

17. Road from Stalinsk to the power plant.

18. Spur track.

19. Pumping station.

20. Two underground canals for cooling water and drainage. They were about 12 meters wide.

21. Road under construction.

22. Narrow-gauge railroad track for horse-drawn cars, used for the removal of ashes.