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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

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CD NO.

COUNTRY Poland

DATE DISTR. 29 June 1955

SUBJECT Power Plant at Blachownia ~~Slaska~~

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SUPPLEMENT TO REPORT NO.



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~~Blachownia Slaska (Blachowice) was dismantled and transported to Russia.~~

ALL that remained on the site of the power plant was the empty buildings. During 1954, the Poles completed preparations for the reconstruction of the power plant and in November 1954 the old power plant and the surrounding territory were carefully examined by a group of Polish and Western European engineers. The examination established that the buildings were still in fairly good shape and could, after renovation, be utilized to house much of the new power plant. The old boiler foundations were strong enough for the new boilers scheduled for installation and did not have to be repaired. The old turbine foundations were too small for the new turbines, so plans were made to dynamite them and replace them with new foundations. The control panel had been completely destroyed by an aerial bomb, so plans were made for a replacement. The coal bunkers at the power plant were still in excellent shape. The bottom sections of the cooling towers were still serviceable but the top sections had been dismantled and needed replacement. Parts of the smokestacks were still standing but it appeared that the smokestacks would have to be completely rebuilt. The area surrounding the power plant was covered with wreckage and it was obvious that a good deal of work would be necessary to clean it up.

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2. Shortly after the examination of the building site in November 1954, the Poles began clearing away the rubble around the power plant. They probably began renovating the buildings a short time later. The Poles intend to do all the reconstruction work on the buildings and foundations without foreign help. They must complete the construction work by the fall of 1956, since the first new machines are scheduled to be put into operation at about that time. All the machinery for the plant is to be constructed in Western Europe.

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- 3. Plans for the new power plant at Blachownia call for the installation of nine steam boilers. Each of the nine boilers will have a capacity of 140 t/h, atmospheric pressure of 70 Atm and a maximum temperature of 510°C. These boilers will cost an estimated 2,000,000 PLN each.

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The exact number of transformers to be constructed for the plant is unknown but it is known that they will be constructed in the following sizes:

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- 10 KW to 100,000 KW
- 100 KW to 200,000 KW
- 100 KW to 30 KW
- 30 KW to 5 KW

- 6. The designing and detailed planning for the construction of the Blachownia plant is being carried out by the Energo-Projektow office in Stalinsgrad. The negotiations for the purchase of equipment for the plant are being handled by the Polish state trading firm Elektrim.

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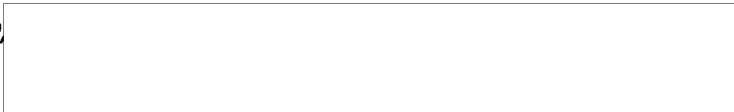
- 7. The power plant at Blachownia will probably begin operations during the summer of 1957 and should be ready for full operation by the end of 1958. The electricity produced in this plant will not be used in the hydrogenation plant at Blachowice nor in any of the industries in the neighborhood. The Poles intend to export the power produced at the Blachownia plant to Hungary and Czechoslovakia through an electric cable line which is yet to be constructed. What the Poles are apparently striving for is, so to speak, to export Silesian coal in the form of electricity. This would be much more economical than the direct exportation of coal, since it would spare the expense of freight charges of coal shipments. In addition to the Blachownia plant the Poles are planning the construction of two more power

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plants of identical size, whose electric current is also to be transported to Hungary and Czechoslovakia along the projected overland cable line. Negotiations for the construction of the second of these power plants are presently under way

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Negotiations for the construction of the third power plant probably will not be initiated until 1956.

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Nothing definite is known about the location of the second and third power plants but rumors indicate that one of them will be constructed in the neighborhood of Lodz.

- 8. Although the electricity from the Blachownia power plant is earmarked for export, it is possible that the Blachownia hydrogenation plant will need additional electricity in the future, so the Poles have discussed the possibility of purchasing two additional turbines for this plant. One of these would be a condensation turbine with a capacity of 50,000 KW and the other a back-pressure (Gegendruck) turbine with a capacity of 10,000 KW. These turbines would also be installed in the Blachownia power plant, but they would be kept separate from the rest of the plant and the electricity they produced would be used exclusively in the Blachownia hydrogenation plant. No concrete steps have been taken to procure these two additional turbines and they probably will not be for several years.

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The exact number of transformers to be constructed for the plant is unknown but it is known that they will be constructed in the following sizes:

- 20 MW to 100,000 MW
- 100 MW to 200,000 MW
- 100 MW to 30 MW
- 20 MW to 6 MW

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- 6. The designing and detailed planning for the construction of the Blachownia plant is being carried out by the Energo-Instytut office in Stalino. The negotiations for the purchase of equipment for the plant are being handled by the Polish state trading firm Ekspat.



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Page 2

SECRET

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