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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT NO. [redacted]

CD NO. 25X1A

COUNTRY	Poland	DATE DISTR.	19 June 1950
SUBJECT	Julien Ironworks in Bobrek, District of Beuthen, Upper Silesia	NO. OF PAGES	6
PLACE ACQUIRED	[redacted]	NO. OF ENCLS. (LISTED BELOW)	25X1A
DATE OF INFO.	Prior to September 1948	SUPPLEMENT TO REPORT NO.	25X1X

[redacted]

1. The Julien Ironworks is primarily responsible for securing the pig required by the Combined Upper Silesian Ironworks.

2. Plant history :

1856 : Construction of the Moritz Ironworks in Bobrek (Q 51/Y 47). At first four blast furnaces were built.

1883 : The Moritz Ironworks were purchased by the M.J. Caro & Sohn Wholesale Iron Firm in Breslau (P 51/C 41). The plant was then designated Julien Ironworks and was further expanded.

1889 : The plant was transferred to the Upper Silesian Iron Industry Corporation for Mining and Ironworks in Gleiwitz (Gliwice-Q 51/Y 37).

1925/ 1926 : The plant was transferred to the Combined Upper Silesian Ironworks Corporation in Gleiwitz.

1945/1946 : After the Polish occupation of Silesia the plant was turned into a Polish Nationalized Enterprise.

3. Production :

Industry and household coke	650 to 700 tons daily
Ingot steel) slabs) billets)	1,100 tons daily
Open-hearth steel (normal and special grade)	1,000 to 1,200 tons daily

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Rolled products (1947) 265,000 tons

Ammonia

Tar

Hard pitch

Naphthalene

Benzol

Ferromanganese

Metallurgical refractory stones

Cyanide blast furnace slag

Highly porous lump slag for filtering plants

Metallurgical pumice concrete

4. Plant installations :

Blast furnace department

Ore sintering plant

Wet-cleaning plant

Coking plant

Steelworks

Rolling Mill

Gas engine station

Agglomerating plant

Dolomite plant

Slag stone factory

Power station

Benzol factory

5. Details on the plant installations :

a. Blast furnace department

Seven blast furnaces (four in operation)

Blast engines (electric operation)

Daily furnace capacity : 300 tons

b. Ore sintering plant

Four pans; 4,125 to 2070 mm size each

grate surface : 8.4 square meters

Six bunkers with feeding device
including four for ore, one for coke dust and one for sieved returns

One mixing drum, 2.5 meters in diameter, 7 meters long
capacity : 20 revolutions per minute

One mobile weighing machine

One tipping bucket elevator

One bunker for mixing and bedding material

c. Wet-cleaning plant :

Two whirling machines, 13 meters high and 3.3 meters in diameter

One "Simplex" hot-washing plant
injection cooler (?) 14 meters high, 5.5 meters in diameter

One disintegrator ("Dingler"design), capacity 30,000 cubic meters per hour

One water separator, 5.5 meters high, 4.7 meters in diameter

Clarifying plant consisting of "Bamag", "Borsig", and "Dorr"-
thickeners, mud-conveying machinery with large dredger

d. Coking plant

220 coke ovens
coking of coal mined in all kinds of seams of the Upper Silesian Coal District (except non-baking coal)

e. Steelworks

Mixing plant

Two pig iron mixers including one 150-ton tilting roller (?) mixer operated by a 30 HP D.C. motor

Six transportation cranes including two with a load capacity of 60 tons

Gas generator plant

Each open-hearth furnace has its own gas producer battery consisting of three gas producers with dust collectors and gas flues

Furnace department, all furnaces were converted to the "Maerz" design between 1920 and 1923.

Seven open-hearth furnaces, mechanical charging, mixed gas heating (producer, coke oven and blast furnace gas)
consisting of six stationary furnaces, 9 meters long, 5 meters wide and one tilting furnace, 12 meters long, 5.6 meters wide

Six furnaces are in operation

Each of the stationary furnaces has a volumetric capacity of 45 tons; the volumetric capacity of the tilting furnace is 60 tons.

Daily output per furnace : 205 to 210 tons

Magnet crane

Transportation cranes

Dump cars

Electric suspension railway for conveying material from the scrap dump to the steelworks

Pig iron foundry machines ("Uehling" design)

f. Soaking pit furnace department

Soaking pit furnaces with automatic slag removal ("Schruff" patent)

Semi-gas firing for heating cold and warm ingots to rolling temperature

Special ingot crane (grab cranes).

Ingot tipper

Table rollers

All these devices are operated by 4 DC motors (440 volt).

g. Rolling Mill (reversing rolling mill)

Circumference of roll : 2,900 mm

Diameter of roll : 1,050 mm

Manipulators and shifting devices (electric operation)

Two table rollers with shears (connected by friction rolls)

(1) Table roller

Two shears for cross sections 130 mm in diameter (electric operation); flying roll system.

Claw board (?)

Electro-magnetic grab crane

(2) Table roller

One shear for cross sections ranging from 130 to 400 mm in diameter (pneumatic-hydraulic operation)

Flying roller system

Claw board

Two electro-magnetic grab cranes

Three cooling pits

Loading cranes

h. Gas engine station

The modern coke batteries produce a considerable gas surplus which is used as heating gas.

i. Agglomerating plant :

Rotary furnace, 30 meters long, 1.9 meters in diameter

Bucket conveyer

Ore storage bunkers

j. Dolomite plant

Stone crushers

Disk crushers

Ball mills

Mixers for dolomite tar

Pan grinders

Pig breakers with electric lifting magnet

Ore dump with mechanical car discharge, electric crane, loading bridges, and spur track to the main railroad line.

Plant railroad installations (standard and narrow gauge) completely electrified with siding to the nearby power station of the "Schaffgotsch"Plant.

Power station

Slag stone factory

Benzol factory

Work force : About 1,300 men

6. Raw material supply :

Half of the iron ore requirements is covered by imports mainly of Swedish black iron sand ("Kaptens"-"Kiruna" and "Rif"ore), the other half is Silesian ore supplies ("Schmiedeberg "ore), roasted pyrites, iron slag and scrap.

Supplying plants :

Silesia Steelworks

Herminen Ironworks

7. Outgoing shipments :

Pig iron in ingots and slabs to following plants

Zawadzki Plant

Herminen Ironworks

Malapane (P 51/T 01) Special Steel Plant

Gleiwitz (Q 51/Y 37) Steel Tube Works

Field Comment:

a. The Julien Ironworks had the following installations as early as 1932 :

Seven blast furnaces

One ore sintering plant

One ore briquetting plant

Seven open-hearth furnaces

One blooming mill (electric operation)

One gas engine station

One slag stone factory

240 coke ovens with installations for the production of by-products

One benzol factory

According to this report the Poles must have seized this plant in undamaged condition when they occupied Upper Silesia in 1945. The plant installations are the same as in 1939.