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			$\sim$			

Sta	described the use of up to 25% gas coals in the lino coking plant in the Donetz Basin. According to the article, the ulted in a good quality blast furnace coke, easier conditions for an operation, and reduction of coking time from 16.4 hours to 15.9 has been proportionally to the second s
add	use of more gas coal results in a decreased yield of coke and an itional load on the recovery plant because of the increased yield oproducts.
Cha the	nges were necessary in the operating conditions of the coke ovens a chemical recovery plants. (See 2 above)
for	use of class "T" coals instead of "K" and "PS" coals as a leaning ponent of coal blends is very desirable, but requires special equipped fine disintegration of "T" coals. Nevertheless, "T" coal has been d in some USSR coking plants. One example is the Staro-Makeevskiy ant which in 1934 used 8.5% "T" coals.
	the first six months of 1939 the average consumption of dry coal fo
(a)	the life, six months of 1939 one
	of dry coke was as follows:  In the southern coking industry - 1.418.
	of dry coke was as follows:

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- (a) Coal supply. In 1938 coal deliveries to the coke industry were only 88.3% of the planned objective, and in the first six months of 1939 only 93.6%. In addition, 7.5% to 9.27% of the coal delivered was defective or unconditioned.
- (b) Coal cleaning. Requirements for both quantity and quality could not be met by the coal cleaning plants.
- (c) Coke production. The coke ovens could not meet the requirements of the blast furnaces in either quality or quantity. In 1938 production was only 87% of the planned amount, and in the first half of 1939 was 96.4%. Also the average ash content of the coke was 10.74% in the first half of 1939 when the plan called for a maximum of 10%.
- (d) Misuse of coke oven gas. The metallurgical furnaces frequently lacked fuel gas because the coke oven gas was either wasted or used for underfiring the coke ovens. 25X1

10. The percentage of by-product coke to total coke produced in the USGR is 25X1

shown in the following table. 1930 1931 1932 1934\* 1929

86.3 89.7 91.0-84.1 89.0 90.1 79.3

\*European part of USSR only.

There follow the names of some non-recovery coking plants located in the Donbas, viz:

(a) Alekseyevskaya

Shirokovskaja sic (ъ)

Sovetskaya

25X1

Ekaterinovskaja sic

Khanzhonkovskaja /s Khartsizskaja /sic/

25X1 11. 12.

The Soviets' principal interest was in the low-temperature carbonization of some types of low-grade coals such as the type "D", long-flame coals of Lisichansk in the Donbas, the brown coals of the Moscow region, etc. They planned to establish combination power stations and chemical recovery plants. Further information on this and other questions is available at the Library of Congress.

## -end-Library Subject & Area Codes

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