

V Coking Plant

Various parts of the coking and by-product recovery plants are shown by Figures 5, 6, 7, 8 and 9. Figures 10, 11 and 12 are also from the same areas of the plant showing particularly the bomb damage.

The plant contains three batteries of coke ovens of which the two oldest were built in 1907 - 08 and the newest was built in 1928-29. There are 210 ovens in all. The newer ovens handle 20 tons of coal per charge, which is coked in 32 hours. The normal throughput of all ovens was 1800 tons of coal per day which yielded 1500 tons of coke per day. The coal was stated to have the following average composition.

Water	9-10%
Washed and dried coal	
Ash	6-7%
Volatile	24%
Carbon	69%
Sulfur	0.8%

The coke oven gas produced at this plant is augmented by that from ovens at adjacent Shafts IV and VI. Of the combined total, 10000 cubic meters per hour is converted to synthesis gas, about 3000 cubic meters per hour goes to surrounding towns as fuel and the balance is used in Plant V as fuel.

No further details were obtained about the coking operations or the recovery of by-products since there appeared to be nothing new or unconventional in this part of the plant.