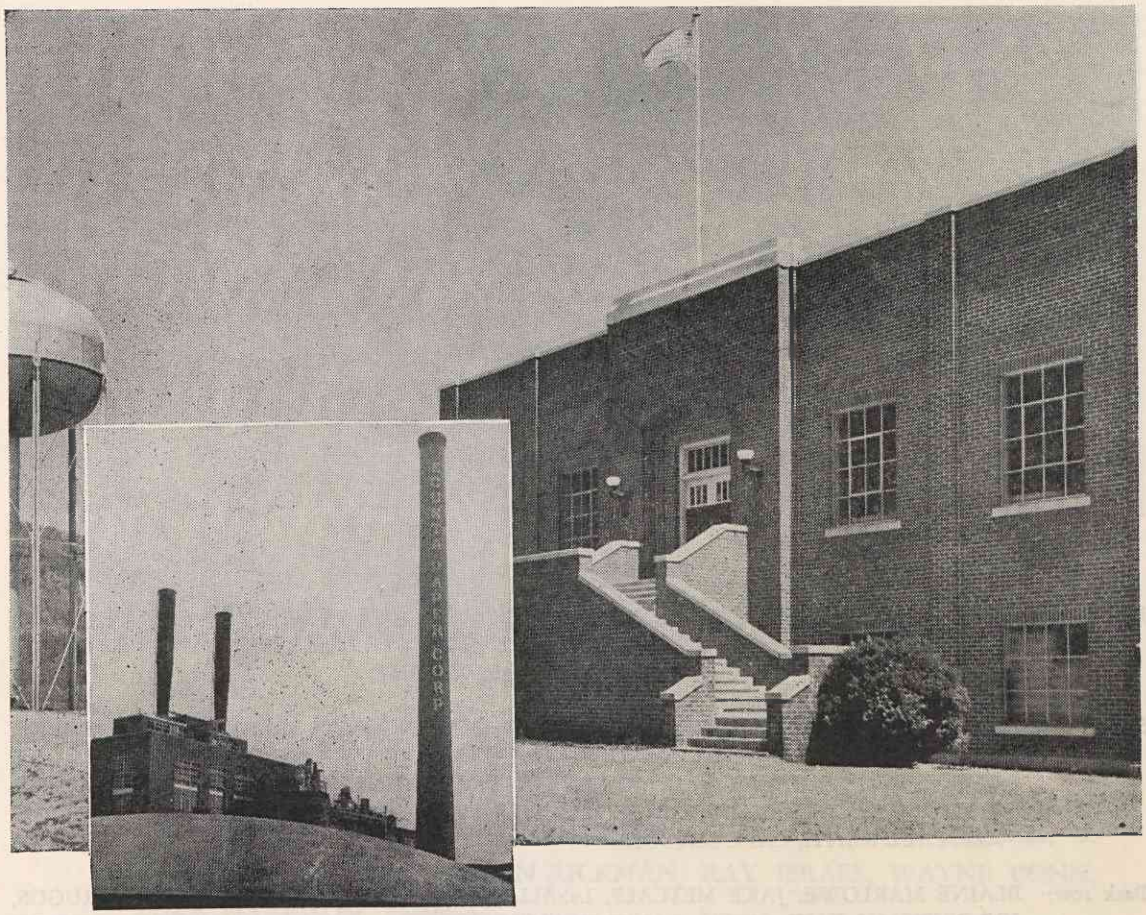

The Power and Water Department consists of the Filter Plant, Boiler House and Turbine Room.

The Filter Plant, capable of filtering up to 25 million gallons of water per day, sufficient for a city of 200,000 population, derives its raw water suply fromp the Davidson River watershed lying wholly within the boundaries of the great Pisgah National Forest.

Every drop of water produced by the eleven filter beds meets the highest standards for human consumption and the exacting requirements for process, a result of rigid control in the Filter Plant's modern chemical and bacteriological laboratory.

An unusual instrument and control board at the Filter Plant permits centralized control of the entire water system from river to mill including three full capacity pumping stations, three reservoirs with a total of 3,800,000 gallons storage and three elevated tanks.

The Boiler House contains four stoker fired and two pulverized fuel fired boilers which can produce up to 298,000 pounds of steam per hour. At capacity operation they will consume from six to seven carloads of coal per day. All coal is handled throughout by mechanical equipment.

Three turbo-generators in the Turbine Room have a total generating capacity of 11,000 KW and a tie-in with Duke Power permits purchase of additional power as desired. Power is produced at both 575 and 4,160 volts but is sent to the mill at only 575.

Steam at 80 pounds pressure may be extracted from either turbine, which thus serve as pressure reducing valves for the steam sent to the mill for process and heating.