

11/26/80

REPLACE BOILER NO. 10 - BLDG PP-2615

Boiler No. 10 has been in service over 25 years. The boiler has been retubed once and is not recommended for further retubing. The burner is worn out and obsolete. Combustion efficiency is below the level desired for energy efficient operation. Estimates developed by the Public Works Officer indicate that the cost to replace the burner alone would exceed \$47,000. The oil pumping system is worn and there is insufficient capacity when all boilers in the plant are on line. The existing system should be replaced with a duplex oil pumping heater system with two pumps and two heaters. Blowdown valves and piping is worn and leaking. The nonreturn valve is worn and is leaking by the seat of the valve. Boiler breeching is worn extremely thin and is in need of replacement. Damper controls are worn and need replacement. A steam flow meter to record production is also required. Since the boiler body is estimated to have a remaining life of less than 10 years, complete replacement appears to be the only feasible option.

Estimated Cost: \$200,000

11/2/80

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11/26/80

REPLACE BOILER NO. 47 - BLDG RR-15

Boiler No. 47 has been in service over 25 years. The boiler has been retubed once and is not recommended for further retubing. The burner is worn out and obsolete. Combustion efficiency is below the level desired for energy efficient operation. Estimates developed by the Public Works Officer indicate that the cost to replace the burner alone would exceed \$47,000. The oil pumping system is worn and there is insufficient capacity when all boilers in the plant are on line. The existing system should be replaced with a duplex oil pumping heater system with two pumps and two heaters. Blowdown valves and piping is worn and leaking. The nonreturn valve is worn and is leaking by the seat of the valve. Boiler breeching is worn extremely thin and is in need of replacement. Damper controls are worn to the point that they need immediate replacement. Burner control wiring is also in need of replacement due to deterioration. A steam flow meter to record production is also needed. Since the boiler body is estimated to have a remaining life of less than ten years, complete replacement appears to be the only feasible option.

Estimated Cost: \$200,000

