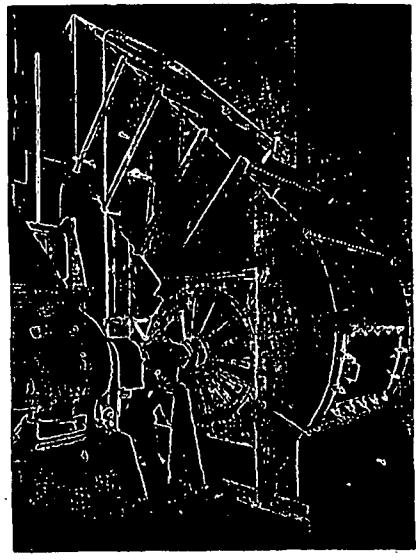
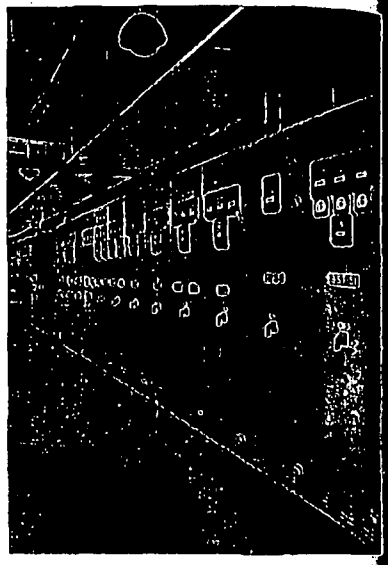
Crawford Station Unit No. 3 Continued from page 95



ONE MOTOR-DRIVEN FORCED-DRAFT FAN, located on upper level, serves each steam generator. Vanes control air flow



2300-VOLT SWITCHGEAR for electrically driven boiler-room auxiliaries, has protecting canopy against overhead leaks

PRINCIPAL POWER-PLANT EQUIPMENT

Units No. 3 and 4, Crawford Station, Middletown, Pa., Metropolitan Edison Co

STEAM GENERATORS NO. 3 AND 4:

Boilers, 2 ..... Foster Wheeler Corp
230,000 lb per hr each, 875 psig, 910 F, pulverized-coal-fired, 3-drum, dry bottom, waterwalls
Superheaters, 2 ..... Foster Wheeler Corp
7170 sq ft each, superheat control by condensers in saturated steam header, two section, nondrainable
Economizers, 2, 8640 sq ft each ..... Foster Wheeler Corp
Air heaters, 2 ..... The Air Preheater Corp
43,000 sq ft each, regenerative
Pulverizers, 4 ..... Foster Wheeler Corp
Herdinge type, each feeds 3 burners, 6 burners per boiler arranged for opposed firing
Forced-draft fans, 2 ..... Sturtevant Div, Westinghouse
Motor driven, vane controlled
Induced-draft fans, 2 ..... Sturtevant Div, Westinghouse
Two-motor drive, 250 hp at 720 rpm, and 500 hp at 900 rpm, vane controlled
Tempering air fan, 2 ..... Sturtevant Div, Westinghouse
Flyash precipitators, 2 electrostatic ..... Research Corp
Ducts and breeching ..... Consery Construction Co
Chimney, 1 concrete ..... Rust Engineering Co
Coal-handling equipment ..... Link-Belt Co
Ash-handling equipment ..... The Allen-Sherman-Hoff Co
Combustion-control equipment ..... Leeds & Northrup Co

TURBINE-GENERATOR UNITS NO. 3 AND 4:

Turbine-generator, 1 ..... General Electric Co
33,000 kw nominal, 42,750 kw maximum, 850 psig, 900 F, 3600 rpm
6 bleed points, hydrogen-cooled generator
Turbine generator, 1 ..... General Electric Co
3000 kw *nominal*, 3750 kw *maximum*, 850-psig 900-F *throttle steam*, 330-psig backpressure at 705 F, 3600 rpm
Main condenser, 1 ..... The Lummus
Surface type, 34,000 sq ft, 2-pass, Admiralty tubes
Circulating pumps, 2, motor driven ..... Ingersoll-Rand

CONDENSATE AND FEEDWATER SYSTEM:

Condensate pumps, 2, motor driven ..... Ingersoll-Rand
Closed feedwater heaters, 4 ..... The Lummus
Deaerating heater, 1 ..... Elliott
Evaporators, 2 ..... The Griscom-Russell
Boiler feed pumps, 3 ..... Pennsylvania Pump & Compressor
Two, motor driven, one dual driven with clutch-type coupling
turbine drive, solid coupling to motor
Boiler feed pump turbine, 1 ..... The Terry Steam Turbine Co
Major steel valves ..... Reading, Pratt & Cady Div
Feedwater regulators ..... The Northern Equipment Co

MISCELLANEOUS EQUIPMENT:

Desuperheating station ..... Republic Flow Meters Co
Desuperheating pump ..... The Aldrich Pump Co
Pipe fabrication ..... Benjamin F Shaw Co
Insulation ..... Johns-Manville
Automatic trash rake ..... The Link Belt Co
Traveling screens ..... Chain Belt Co
Chlorination equipment ..... Wallace & Tiernan Co
Water softeners ..... Permutit Co
Gravity filters ..... Permutit Co
Water precipitator ..... Permutit Co
Tanks ..... Tippett & Wood
Control-air compressors ..... Pennsylvania Pump & Compressor Co
Flow meters, pressure recorders ..... Penn Industrial Instrument Co
Draft gages ..... Republic Flow Meters Co

General contractor ..... L. H. Focht & Son, Inc
Engineers ..... Gilbert Associates, Inc