

Philadelphia, May 26, 1926.

ANNUAL REPORT - 1925

Construction and operation activities have occupied all the Bureau forces during the year. Under the respective divisions will be mentioned work upon which the organization was engaged.

The quantity and quality of water to the consumer has been satisfactory and the typhoid deaths of the city continues low, the rate for the year being 2.3 per 100,000 inhabitants. A detail of respective activities under Divisions follows:-

River Patrol -

The Sanitary Survey of the Schuylkill River has continued to the profit of the City insomuch as various industrial plants bordering thereon are reducing to a minimum the discharge of contaminating influences. Throughout the open season float surveys on the Delaware river were conducted to determine tidal flows effecting the character of water at the Torresdale intake.

Pumping Stations -

At the Lardner's Point Station has been installed a complete new system of steam piping; an efficient ash flush with an economic hoist; the pump well arch in No. 1. House was increased in section involving a new floor and the water front on the Delaware river improved. Fresh brick facings have been laid on boilers and energies have been directed towards producing a neat appearance covering the entire plant. A high service station was planned and a contract let for installation of pumps on the existing Roxborough service. These units are being erected at the

Queen Lane Filter Plant and a completion is anticipated in the early part of the coming year.

Filters -

At the Torresdale Plant the work of rehabilitation of the preliminary units was about 30 per cent. completed. The labor on this change has been under Bureau control and the construction is a part of the program to increase the capacity of the Torresdale Station.

The Laboratory and office at Belmont Filters was completed and plans have been prepared for the letting of a contract for additional filters for the West Philadelphia supply.

Interest has been taken in the service rendered by a filter sand cleaning machine of the Blaisdell type and a contract let for purchase of six (6) units the efforts of which will increase the capacity of slow sand filters.

Distribution -

The extensive development of area for housing has required unusual activities in the laying of service mains and the readjustment of pump supply throughout Germantown on the Roxborough service is responsible for the placing of larger lines in this territory. A large feeder main was completed on Frankford avenue the service of which will materially improve the gridiron system throughout Holmesburg and Tacony. In connection with the reduction of street grade on Rising Sun avenue near Comly street, there was a relay and realignment of a 48 and 30 inch express main. Important connections to the large express mains in Kensington district were planned and made, thereby rendering greater flexibility in distributing the direct pumpage from the Lardner's Point system. The construction of the subway on North Broad Street involved

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the local service mains to a considerable extent and for the limits of the contracts there has been replaced on each side of Broad Street new lines for the consumers' service. There has been laid on streets other than Broad street, the larger express mains formerly located in the bed of Broad Street north and south of Girard avenue.

An extension of the High Pressure system has been laid in the congested area protecting the property north to Callowhill street between the Delaware river and Broad street and a section south from Walnut street to Spruce street and from the Delaware river to Second street. The lineal feet of pipe; number of valves and fire hydrants added during the year with the grand total are shown in the tables of appendix.

#### Meters -

The total metered services number 139,443 there being added 11,734 meters during the year.

Repairs were made to 10,059 meters at the city shop and 3,591 on premises of consumers.

#### Revenue -

There has been returned \$7,008,385.62 contributed from the following sources:-

##### Water Rents

Flat rates	\$3,000,656.56
" " fractional	56,462.10
" " delinquent	214,438.92

##### Meter Rates

Current	3,019,959.87
Delinquent	<u>202,393.97</u>
Carried Forward	\$6,493,911.42

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Brought Forward	\$6,493,911.42
Water Searches	6,625.25
Frontage - Water Pipe	372,170.86
Specials	10,811.32
New Services	50,315.00
Meter Repairs	33,045.96
Miscellaneous	<u>41,505.81</u>
	\$7,008,385.62

Financial -

The disbursement of funds was as follows -

Salary and wages	\$1,562,460.31
Material and equipment	<u>1,359,982.71</u>
	\$2,922,443.02
Betterments and Additions	<u>2,920,731.15</u>
Total	\$5,843,174.17

The Engineering force were engaged on work as follows:-

## Pipe Lines -

Thirty (30) inch steel main of Frankford Ave. (Bristol Pike)

Thirty-six (36) inch cast iron main on Cheltenham Avenue.

Filter Reconstruction at Torresdale.

Reconstruction continued on Fairmount Dam.

The Completion of Laboratory at Belmont Filter Plant.

Activities on a waste water survey the results of which will be invaluable during the coming year.

Preparation of plans for the extension of the Belmont Filter Plant.

General activities for preparation of a water service at the Sesqui-

Fair grounds and also along the construction location of the Broad street Subway.

Contemplated Work -

The coming year will be occupied on work in general as follows -

Construction of additional intake and new pumping service at Torresdale Station.

The completion and operation of the High Service Station at Queen Lane Filters.

The construction of the additional filter units at Belmont.

The installation of intake control at Queen Lane Pumping Station.

Additional extensions throughout the distribution system and continued activities on the survey for water waste and control.

The statistical data is herewith attached.

ALEXANDER MURDOCH

Chief of Bureau.

SMVL/D.