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Philadelphia, January 22, 1936.

REPORT OF PROCEEDINGS FOR THE YEAR 1935

Through the operating and maintenance forces the Bureau of Water has furnished an ample supply of water to meet the requirements of the consumer during the year.

The average daily delivery to the City was 304 million gallons which volume, reduced to a per capita rate, equalled 151 gallons per day.

In spite of an epidemic of typhoid fever following an American Legion celebration, the typhoid mortality rate for the City registered 0.9 per 100,000 inhabitants. The character of the water furnished measured to a degree of potability required under the standards of the U. S. Treasury Department and the typhoid index established the integrity of the supply.

Several hundred men drawn from the unemployed, their remuneration being met by Federal funds, have been engaged upon demolition of structures no longer of value to the Bureau; upon the restoration of plant appearance; upon activities of value in the nature of sand cleaning at the filter plants; and upon new records for the pipe system in the Distribution Division.

River Patrol

Continued observation of industrial contributions to both Schuylkill and Delaware Rivers have proven of high value and this service routine prevents all deliberate offense that might result from careless conduct of the many industries which operate on the drainage areas of rivers.

Intakes

Several heavy storms created swollen rivers which carried much debris and eternal vigilance has been practiced in order that inflow to pumps may be kept free of leaves and small floating particles.

Dredging of sediment in front of the Belmont Station has given a freedom of suction to the pumps. This removal is of vital necessity and at Shawmont, where no dredging has been done for several years, the deposit

has accumulated to such an extent as to seriously reduce the cross-section of water drawn to pump well of engines.

The Sedimentation Basin at Torresdale has been seriously reduced in value due to the heavy river silt deposited, thereby short-circuiting the travel of water and cutting down the time for sedimentation.

Pumping Stations

An improved appearance, through the labor of the unemployed, has resulted at Belmont, Shawmont and Torresdale. Much of the work was of the nature of removal of old masonry walls, and grading slopes to meet ideas of landscaping.

A new station, the East Park Booster, was erected at 33rd Street and Girard Avenue the service of which is to stabilize the water pressures in the central area district during periods of excessive draft due to high atmospheric temperature periods.

The Mingo Creek Station absorbed with the Southwest Sewage Station during the year, have received considerable attention from the mechanical group of this Bureau.

The power units at Mingo have been equipped with new burners and considerable modification has been made in the interior of station by painting and removal of plant equipment.

Filters

No interruption of service afflicted the filter plants - regardless of the heavy burden imposed on the Torresdale unit. This load was caused by the character of Delaware raw water influenced by the dredging of channel under Federal agencies and active between Trenton and Bristol. This work not only added an abnormal burden upon the filters but required heavy chemical dosing which increased the operating cost to a staggering extent.

Distribution

An important addition to the system was the laying of a line of pipe to furnish more volume and better service to the Byberry Institution.

7250 250 0525

Service System

Mains in service	-	all sizes	2473.7 miles
Valves in service	-		49703.
Fire Hydrants			20311

High Pressure Fire System

Mains in service	-	all sizes	63.34 "
Valves			1872
Fire Hydrants			1070

Breaks on mains were respectively 307 on Service and 31 on High Pressure Fire System.

Meters

Total number in service		205,371
Maintenance and activities		
Repaired in shop		11,728
Repaired on Premises		2,820

Due to the inability to finance the requirements for meter parts and the force to remove and reset where damaged by frost or hot water, there has been an increase of complaints against this Division.

The complaints received during the year amounted to 20,513 and those on hand December 31st - 21,181 indicating retrogression in progress at the shop.

Better results may be effected in this Division through the acquisition of serviceable motor trucks and additional shop force.

Revenue

Water Rents - Flat Rates:

Current	\$2,312,722.89
Delinquent	781,393.14
	<u>\$3,094,116.03</u>

Water Rents -

Meter Rates -

Current	\$3,243,123.60
Delinquent	<u>597,220.10</u>
	\$3,840,343.70

Water Searches	\$ 1,780.25
Frontage - water pipe	22,448.43
Specials	5,895.21
New Specials	9,936.18
Meter Repairs	56,570.55
Miscellaneous	<u>11,759.62</u>

\$ 108,390.24

\$7,042,849.97

Disbursements

Salary and Wages	\$1,068,087.41
Material and Equipment*	<u>1,374,567.75</u>
Total	\$2,442,655.16

* Includes an amount of \$ 390,154.07

which represents a power and light account to cover which there appears an item in the Budget of the Electrical Bureau.

General

The removal of sediment deposited in the Belmont Reservoir will be undertaken during the coming year. This will result in lessening the load on the filter beds by affording an increased cross-section of reservoir to serve as a catch basin from raw water pumpage. Federal labor will be employed.

Removal of sediment at Torresdale and Shawmont would be advisable.

The boiler plants at the two steam stations - Lardner's Point and Queen Lane - are in serious condition and replacement of units are advisable.

The filter beds throughout the Bureau are sorely in need of rehabilitation and reconstruction is vitally essential.

Pumping mains at Belmont and Shawmont should be laid of such size and character to safeguard the supply of water in West Philadelphia, Germantown and Chestnut Hill.

Various locations throughout the City should have water main extensions and replacements and the lack of fire hydrant renewals creates a dangerous fire hazzard in many areas throughout the City.

An appendix will be submitted showing tables of plant operation with costs, such data not being in a completed state upon date due to overlapping of service periods.

Respectfully submitted,

S. M. VAN LOAN
Chief of Bureau.

SMVL/D