

This material is part of the collection of the Philadelphia Water Department and was downloaded from the website www.phillyh2o.org

Please contact the PhillyH2O webmaster for more information about this material.

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
									These engines were supposed to be the
									first steam engines of any considerable
1	Centre Square	Steam	1	Roosevelt, Nicholas	Vertical beam	1801	1815	962,520	size in the United States.
									These engines were supposed to be the
									first steam engines of any considerable
1	Centre Square	Steam	2	Roosevelt, Nicholas		1801	1815	1,798,963	size in the United States.
2	Fairmount - Steam	Steam	1	Boulton & Watt	Vertical beam	1815	1822	2,114,930	Design similar to Centre Square engine
					Vertical beam,				Mr. Evans supposed to be patentee of
2	Fairmount - Steam	Steam	2	Evans, Oliver	high pressure	1817	1822	3,666,021	first high pressure engine
	Fairmount - Water Power	Steam	+ -	Evans, Onver	mgn pressure	1017	1022	3,000,021	These units gave efficient service intil
3	and Steam	Water Breast Wheel	1	Rush and Muhlenberg	Breast Wheel	1822	1846	1,836,168	they were replaced by new units in 1846
	Fairmount - Water Power	Water Breast Wileer	+ -	Tradition and trainenseing	Diedot Wileer	1022	10.0	1,000,100	These units gave efficient service intil
3	and Steam	Water Breast Wheel	2	Rush and Muhlenberg	Breast Wheel	1822	1846	1,894,464	they were replaced by new units in 1846
	Fairmount - Water Power	Tracer Breact trinee.	 	Tracer and Tracers	2.000.1100.		20.0	2,00 1,10 1	These units gave efficient service intil
3	and Steam	Water Breast Wheel	3	Rush and Muhlenberg	Breast Wheel	1822	1846	1,894,464	they were replaced by new units in 1846
	Fairmount - Water Power		1					,== , =	
3	and Steam	Water Breast Wheel	4	Rush and Muhlenberg	Breast Wheel	1827	1869	1,922,976	
	Fairmount - Water Power								
3	and Steam	Water Breast Wheel	5	Rush and Muhlenberg	Breast Wheel	1832	1869	1,922,976	
	Fairmount - Water Power								
3	and Steam	Water Breast Wheel	6	Rush and Muhlenberg	Breast Wheel	1834	1860	1,894,464	
	Fairmount - Water Power								
3	and Steam	Water Breast Wheel	7	Rush and Muhlenberg	Breast Wheel	1843	1860	1,922,976	
	Fairmount - Water Power								
3	and Steam	Water Breast Wheel	8	Rush and Muhlenberg	Breast Wheel	1843	1860	1,922,976	
	Fairmount - Water Power								
4	and Steam	Water Turbine	1	Morris, I. P.	Water Turbine	1851	1911	2,000,000	
	Fairmount - Water Power								These three turbines were most likely
4	and Steam	Water Turbine	7	Morris, I. P.	Water Turbine	1862	1911	5,100,000	the 2nd, 3rd and 4th installed.
	Fairmount - Water Power								These three turbines were most likely
4	and Steam	Water Turbine	8	Morris, I. P.	Water Turbine	1862	1911	5,100,000	the 2nd, 3rd and 4th installed.

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
	Fairmount - Water Power								These three turbines were most likely
4	and Steam	Water Turbine	9	Morris, I. P.	Water Turbine	1862	1911	5,100,000	the 2nd, 3rd and 4th installed.
	Fairmount - Water Power								
4	and Steam	Water Turbine	3	Morris, I. P.	Water Turbine	1869	1911	5,300,000	
	Fairmount - Water Power								
4	and Steam	Steam		Worthington	Steam Engine	1869	1878	2,000,000	Removed to Frankford in 1878
	Fairmount - Water Power								
4	and Steam	Water Turbine	4	Morris, I. P.	Water Turbine	1870	1911	5,300,000	
	Fairmount - Water Power								
4	and Steam	Water Turbine	5	Morris, I. P.	Water Turbine	1871	1911	5,300,000	Fairmount Works discontinued in 1911
	Schuylkill (Spring Garden and				Low Pressure				
6	Northern Liberties)	Steam	2	Merrick & Towne	Beam	1840	1884	1,250,000	Capacity assumed
	Schuylkill (Spring Garden and				Low Pressure				
6	Northern Liberties)	Steam	1	Merrick & Towne	Beam	1844	1869	1,250,000	Capacity assumed
	Schuylkill (Spring Garden and				Double Acting				
6	Northern Liberties)	Steam	3	Sutton	Vertical Beam	1849	1884	4,000,000	Capacity assumed
	Schuylkill (Spring Garden and				Cornish				
6	Northern Liberties)	Steam	4	Morris, I. P.	Overhead	1855	1884	5,000,000	Capacity assumed
	Schuylkill (Spring Garden and				Cornish Side				
6	Northern Liberties)	Steam	5	Merrick & Son	Lever	1869	1884	7,500,000	Displaced Engine No. 1
					Simson				
	Schuylkill (Spring Garden and			Southwark Foundry &	Compound				
6	Northern Liberties)	Steam	6	Machine Co.	Rotational	1872	1909	10,000,000	
	Schuylkill (Spring Garden and				Vertical				
6	Northern Liberties)	Steam	7	William Cramp & Sons	Compound	1876	1909	20,000,000	
	Schuylkill (Spring Garden and				Duplex				
6	Northern Liberties)	Steam	8	Worthington	Compound	1881	1909	10,000,000	
	Schuylkill (Spring Garden and				Duplex				
6	Northern Liberties)	Steam	9	Worthington	Compound	1884	1909	15,000,000	
	Schuylkill (Spring Garden and				Duplex				
6	Northern Liberties)	Steam	10	Worthington	Compound	1884	1909	15,000,000	

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
	Schuylkill (Spring Garden and			Holly Manufacturing	Gaskill				
6	Northern Liberties)	Steam	11	Co.	Compound	1887	1908	20,000,000	Removed to Roxborough in 1908
	Schuylkill (Spring Garden and								Brought from Delaware Works. Removed
6	Northern Liberties)	Steam	12	Worthington	Duplex	1890	1894	6,000,000	to Roxborough Works 1894
	Schuylkill (Spring Garden and			Southwark Foundry &	Vertical				
6	Northern Liberties)	Steam	5	Machine Co.	Compound	1892	1909	20,000,000	
	Schuylkill (Spring Garden and				Duplex High				Installed in old engine house, removed to
6	Northern Liberties)	Steam	4	Worthington	Duty	1893	1895	20,000,000	Belmont 1895
	Schuylkill (Spring Garden and			Holly Manufacturing	Vertical Triple				
6	Northern Liberties)	Steam	3	Co.	Expansion	1894	1909	30,000,000	
	Schuylkill (Spring Garden and			Holly Manufacturing	Vertical Triple				
6	Northern Liberties)	Steam	2	Co.	Expansion	1895	1909	30,000,000	
									Old No. 11 Engine recondition by Holly
	Schuylkill (Spring Garden and			Holly Manufacturing	Gaskill				Manufacturing Co. Schuylkill Works
6	Northern Liberties)	Steam	1	Co.	Compound	1905	1909	10,000,000	discontinued 1909
					High Pressure				Old Germantown Works abandoned
7	Germantown - Mt. Airy	Steam	1	Unknown	Horizontal	1851	1872	Not Known	1872
					High Pressure				Old Germantown Works abandoned
7	Germantown - Mt. Airy	Steam	2	Unknown	Horizontal	1851	1872	Not Known	1872
									Mt. Airy Station helped Roxborough
									Station supply the districts of
					Horizontal				Germantown, Mt. Airy and Chestnut Hill.
7	Mt. Airy	Steam	2	Worthens	Direct Acting	1883	1911	1,000,000	Mt. Airy Works discontinued in 1911.
					Horizontal				
7	Mt. Airy	Steam	1	Worthens	Direct Acting	1883	1911	1,000,000	
7	Mt. Airy	Steam	2	Davidson	Rotary	1888	1911	1,000,000	
7	Mt. Airy	Steam	1	Davidson	Rotary	1888	1911	1,000,000	
									Brought from Roxborough High Service in
7	Mt. Airy	Steam	2	Knowles	Not Known	1893	1911	1,000,000	1893.
					Horizontal High				These engines dismantled and sold in
8	Delaware & Kensington	Steam	1	Brock & Andrew	Pressure	1851	1884	2,970,000	1884.

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
					Vertical Low				These engines dismantled and sold in
8	Delaware & Kensington	Steam	2	Reaney & Neafie	Pressure	1851	1884	3,520,000	1884.
					Duplex				Removed to Spring Garden in 1890.
8	Delaware & Kensington	Steam	3	Worthington	Compound	1871	1890	6,000,000	Delaware Works discontinued 1890.
									These works, which pumped to the
									districts of West Philadelphia, were
					Bull Cornish				abandoned in 1870 when Belmont took
9	Twenty-fourth Ward	Steam	1	Unknown	High Pressure	1855	1870	1,296,000	over the service.
									These works, which pumped to the
									districts of West Philadelphia, were
					Bull Cornish				abandoned in 1870 when Belmont took
9	Twenty-fourth Ward	Steam	2	Unknown	High Pressure	1855	1870	1,296,000	over the service.
					Horizontal				
10	Chestnut Hill	Steam	1	Wilbraham	Rotary	1859	1885	432,000	Capacity approximate
					Horizontal				
10	Chestnut Hill	Steam	2	Wilbraham	Rotary	1859	1886	432,000	Capacity approximate
									Removed from Roxborough Station in
10	Chestnut Hill	Steam	1	Knowles	Not Known	1876	1907	250,000	1876
					Duplex Donkey				Chestnut Hill Works discontinued 1907.
10	Chestnut Hill	Steam	2	Worthington	Pump	1884	1907	500,000	Site turned into playground in 1911.
					Electro-				
10	Chestnut Hill High Service	Electricity	2	De Laval	Centrifugal	1923		1,000,000	Still in Service
					Electro-				
10	Chestnut Hill High Service	Electricity	3	Fairbanks-Morse	Centrifugal	1927		2,000,000	Still in Service
					Electro-				
10	Chestnut Hill High Service	Electricity	4	Fairbanks-Morse	Centrifugal	1927		2,000,000	Still in Service

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
			1						
	Roxborough Works -			Matthews & Moore,	Cornish				
11	Shawmont	Steam	1	Bush Hill Iron Works	Overhead Beam	1869	1890	2,250,000	Page 10
	Roxborough Works -								
11	Auxiliary Station No. 1	Steam	1	Knowles	Not Known	1870		7,500,000	
	Roxborough Works -								
11	Auxiliary Station No. 1	Steam	2	Knowles	Not Known	1870		12,000,000	
	Roxborough Works -				Duplex				
11	Shawmont	Steam	2	Worthington	Compound	1872		5,000,000	
	Roxborough Works -				Duplex				
11	Shawmont	Steam	3	Worthington	Compound	1884		5,000,000	
	Roxborough Works -			Southwark Foundry &	Vertical				
11	Shawmont	Steam	1 (2)	Machine Co.	Compound	1893	1901	2,500,000	New "1". Removed to Frankford in 1901.
11	Roxborough High Service	Steam	1	Worthington	Duplex	1895	1918	5,000,000	Brought from Spring Garden in 1895
					Duplex				
11	Roxborough High Service	Steam	2	D'Auria	Compound	1898	1899	2,500,000	Removed to Roxborough Works in 1899
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	4	Worthington	Compound	1899	1900	4,000,000	Discarded in 1900
	Roxborough Works -				Duplex				Removed to Frankford of Wentz farm
11	Shawmont	Steam	5	D'Auria	Compound	1899	1901	2,500,000	High Service, 1901
					Horizontal				Remained in station but never used after
11	Roxborough High Service	Steam	3	Worthington	Compound	1900	1918	5,000,000	1918
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	4 (2)	Worthington	Compound	1900	1915	5,000,000	New "4".
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	5 (2)	Worthington	Compound	1900	1915	5,000,000	New "5".
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	6	Worthington	Compound	1900	1915	5,000,000	

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	7	Worthington	Compound	1900	1915	5,000,000	
	Roxborough, Upper, Filter				Vertical				
11	Station	Steam	1	Worthington	Compound	1901	1922	10,000,000	Pumps - Hor. Rot. Cetr.
	Roxborough, Upper, Filter				Vertical				
11	Station	Steam	2	Worthington	Compound	1901	1922	10,000,000	Pumps - Hor. Rot. Cetr.
	Roxborough, Upper, Filter				Vertical				
11	Station	Steam	3	Worthington	Compound	1901	1922	10,000,000	Pumps - Hor. Rot. Cetr.
	Roxborough Works -				Horizontal				
11	Shawmont	Steam	1 (3)	Worthington	Compound	1903	1908	4,000,000	This was No. 4 engine erected in 1899.
	Roxborough, Upper, Filter				Vertical Triplex				This plant is now used as an
11	Station	Gasoline	1	Unknown	Piston	1903	1926	Not known	administrative building
	Roxborough, Upper, Filter				Vertical Triplex				This plant is now used as an
11	Station	Gasoline	2	Unknown	Piston	1903	1926	Not Known	administrative building
	Roxborough Works -			Holly Manufacturing	Gaskill				Brought from Spring Garden station - No.
11	Shawmont	Steam	1	Co.	Compound	1908	1922	10,000,000	11.
					Turbo-				
11	Roxborough High Service	Steam		De Laval	Centrifugal	1909		Not known	
	Roxborough Works -				Horizontal Cross				
11	Shawmont	Steam	8	Snow Pump Works	Compound	1909		5,000,000	Still set up but no longer used
	Roxborough Works -				Horizontal Cross				
11	Shawmont	Steam	9	Snow Pump Works	Compound	1909		5,000,000	Still set up but no longer used
	Roxborough Works -			Southwark Foundry &	Turbo-				Was replaced by two electro-centrifugal
11	Shawmont	Steam		Machine Co.	Centrifugal	1917	1926	10,000,000	units of 25,000,000 GPD capacity
									L
	Roxborough Works -	_		Southwark Foundry &	Turbo-				Was replaced by two electro-centrifugal
11	Shawmont	Steam		Machine Co.	Centrifugal	1917	1926	10,000,000	units of 25,000,000 GPD capacity
	Roxborough High Service -			Platt Iron Works,	Electro-				Two units - was originally installed in the
11	Lower Plant	Electricity	1	Pump; G.E. Motor	Centrifugal	1918		2 - 6,500,000	steam high service station.

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
	Roxborough High Service -			Platt Iron Works,	Electro-				Two units - was originally installed in the
11	Lower Plant	Electricity	2	Pump; G.E. Motor	Centrifugal	1918		2 - 3,500,000	steam high service station.
	Roxborough High Service -			Platt Iron Works,	Electro-				
11	Upper Plant	Electricity	1	Pump; G.E. Motor	Centrifugal	1918		15,000,000	Still in Service
	Roxborough Works -			Southwark Foundry &	Turbo-				Was replaced by two electro-centrifugal
11	Shawmont	Steam		Machine Co.	Centrifugal	1918	1926	10,000,000	units of 25,000,000 GPD capacity
	Roxborough High Service -			De Laval, pump; G.E.,	Electro-				
11	Upper Plant	Electricity	4	motor	Centrifugal	1921		17,000,000	Still in Service
	Roxborough High Service -			De Laval, pump; G.E.,	Electro-				
11	Upper Plant	Electricity	5	motor	Centrifugal	1921		1,000,000	Still in Service
	Roxborough High Service -			Frederick Iron & Steel	Electro-				
11	Lower Plant	Electricity	3	Co, pump; G.E., motor	Centrifugal	1922		6,000,000	Still in Service
	Roxborough High Service -			Frederick Iron & Steel	Electro-				
11	Lower Plant	Electricity	4	Co, pump; G.E., motor	Centrifugal	1922		6,000,000	Still in Service
	Roxborough High Service -			Frederick Iron & Steel	Electro-				
11	Lower Plant	Electricity	5	Co, pump; G.E., motor	Centrifugal	1922		1,000,000	Still in Service
	Roxborough Works -			Worthington pump,	Turbo-				
11	Shawmont	Steam	1	G.E. turbine	Centrifugal	1922		20,000,000	
	Roxborough High Service -			De Laval, pump; G.E.,	Electro-				
11	Upper Plant	Electricity	2	motor	Centrifugal	1926		20,000,000	Still in Service
	Roxborough High Service -			De Laval, pump; G.E.,	Electro-				
11	Upper Plant	Electricity	3	motor	Centrifugal	1926		20,000,000	Still in Service
	Roxborough Works -			De Laval, pump; G.E.,	Electro-				
11	Shawmont	Electricity	4	motor	Centrifugal	1926		25,000,000	Still in Service
	Roxborough Works -			De Laval, pump; G.E.,	Electro-				
11	Shawmont	Electricity	5	motor	Centrifugal	1926		25,000,000	Still in Service
					Duplex				
12	Belmont Works	Steam	1	Worthington	Compound	1870	1908	5,000,000	

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
					Duplex				
12	Belmont Works	Steam	2	Worthington	Compound	1871	1908	5,000,000	
					Duplex				
12	Belmont Works	Steam	3	Worthington	Compound	1873	1910	8,000,000	
					Duplex				George's Hill Station went out of service
12	George's Hill Station	Steam	1	Worthington	Compound	1895	1907	2,000,000	in 1922
				Snow Manufacturing	Horizontal				George's Hill Station went out of service
12	George's Hill Station	Steam	2	Co.	Compound	1895	1922	500,000	in 1922
					Duplex				This engine brought from Spring Garden,
12	Belmont Station	Steam	4	Worthington	Compound	1895		20,000,000	was No. 4
					Horizontal				
					Compound				
12	George's Hill Station	Steam	1	Worthington	Duplex	1900	1922	5,000,000	
					Horizontal				
				Holly Manufacturing	Compound				
12	Belmont Station	Steam	5	Co.	Rotary Duplex	1901	1922	10,000,000	Installed in new Belmont Station
					Horizontal				
				Holly Manufacturing	Compound				
12	Belmont Station	Steam	6	Co.	Rotary Duplex	1901	1922	10,000,000	Installed in new Belmont Station
					Horizontal				
				Holly Manufacturing	Compound				
12	Belmont Station	Steam	7	Co.	Rotary Duplex	1901	1922	10,000,000	Installed in new Belmont Station
12	Belmont Filter Station	Steam		Unknown	Centrifugal	1903		10,000,000	Two units of 5,000,000
					Duplex Direct				
12	Belmont Filter Station	Steam		Unknown	Act.	1903		Not Known	Three units
					Horizontal Cross				
12	George's Hill Station	Steam		Allis Chalmers Co.	Compound	1908	1922	6,000,000	Replaced Worthington Duplex No. 1
					Cross				Replaces old No. 1 and No. 2
12	Belmont Station	Steam	1	Bethlehem	Compound	1909	1922	10,000,000	Worthingtons
					Cross				Replaces old No. 1 and No. 2
12	Belmont Station	Steam	2	Bethlehem	Compound	1909	1922	10,000,000	Worthingtons

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Type	Start	Disc.	Capacity GPD	Remarks
					Turbo-				Pumps still in existence - turbines
12	Belmont Station	Steam	3	De Laval	Centrifugal	1915		20,000,000	replaced by motors
					Turbo-				Pumps still in existence - turbines
12	Belmont Station	Steam	4	De Laval	Centrifugal	1916		20,000,000	replaced by motors
				Frederick Iron & Steel	Electro-				
12	Belmont High Service Station	Electricity	1	Co, pump; G.E., motor	Centrifugal	1922		4,000,000	Still in Service
				Frederick Iron & Steel	Electro-				
12	Belmont High Service Station	Electricity	2	Co, pump; G.E., motor	Centrifugal	1922		4,000,000	Still in Service
				Frederick Iron & Steel	Electro-				
12	Belmont High Service Station	Electricity	3	Co, pump; G.E., motor	Centrifugal	1922		4,000,000	Still in Service
					.				
		et		Frederick Iron & Steel	Electro-				
12	Belmont High Service Station	Electricity	4	Co, pump; G.E., motor	Centrifugal	1922		1,000,000	Still in Service
				Fundamialalana O Charl	Clastus.				
12	Dolmont High Comice Station	Clookwinik.	_	Frederick Iron & Steel	Electro-	1022		1 000 000	Catillia Comica
12	Belmont High Service Station	Electricity	5	Co, pump; G.E., motor	Centrifugal Turbo-	1922		1,000,000	Still in Service
12	Belmont Station	Steam	5	De Laval	Centrifugal	1922		22 000 000	Brought from Ougan Lane 1022
12	Belmont High Service Station	Steam	3	Worthington pump,	Electro-	1922		22,000,000	Brought from Queen Lane, 1922 Discarded due to high elevation of
12	No. 2	Electricity	1	Wagner motor	Centrifugal	1923		6,000,000	mecahnical filter
12	Belmont High Service Station	Electricity	1	Worthington pump,	Electro-	1923		0,000,000	Discarded due to high elevation of
12	No. 2	Electricity	2	Wagner motor	Centrifugal	1923		6,000,000	mecahnical filter
12	Belmont High Service Station	Liectricity		Worthington, pump;	Electro-	1323		0,000,000	Discarded - due to high elevation of
12	No. 2	Electricity	2	Wagner, motor	Centrifugal	1923		6,000,000	mecahnical filters
12	110. 2	Licetricity		Fairbank-Morse Co.,	Centinugai	1525		3,000,000	mecaninear meers
				pump; W., motor	Electro-				
12	Belmont Station	Steam	1	(Westinghouse?)	Centrifugal	1929		60,000,000	Still in Service
14	Demionic Station	Jeann		(v v c still g i louse :)	Centinugai	1,72,7		00,000,000	Juli III Juli Vice

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
				Fairbank-Morse Co.,					
				pump; W., motor	Electro-				
12	Belmont Station	Steam	2	(Westinghouse?)	Centrifugal	1929		60,000,000	Still in Service
				Fairbanks-Morse Co.,	Electro-				
12	Belmont High Service Station	Electricity		pump and motor	Centrifugal	N.D.		8,000,000	Still in Service
				Fairbanks-Morse Co.,	Electro-				
12	Belmont High Service Station	Electricity		pump and motor	Centrifugal	N.D.		8,000,000	Still in Service
				Fairbanks-Morse Co.,	Electro-				
12	Belmont High Service Station	Electricity		pump and motor	Centrifugal	N.D.		10,000,000	Still in Service - used as wash pumps
				Fairbanks-Morse Co.,	Electro-				
12	Belmont High Service Station	Electricity		pump and motor	Centrifugal	N.D.		10,000,000	Still in Service - used as wash pumps
					Rotative				
13	Frankford Station	Steam	1	William Cramp & Sons	compound	1877	1905	10,000,000	
					Duplex				Taken from Fairmount and used when
13	Frankford Station	Steam	2	Worthington	Compound	1878	1884	2,000,000	No. 1 broke down
					Corliss				
					Compound				This engine replaced Worthington No. 2
13	Frankford Station	Steam	2	Robert Wetherill & Co.	Rotary	1884	1897	10,000,000	engine
				Southwark Foundry &	Vertical				
13	Frankford Station	Steam	3	Machine Co.	Compound	1897	1905	15,000,000	
					Horizontal				
	l			Holly Manufacturing	Rotat.				
13	Wentz Farm High Service	Steam	1	Co.	Compound	1900	1921	3,000,000	Wentz Farm Station discontinued in 1921
				Southwark Foundry &	Vertical				
13	Frankford Station	Steam	4	Machine Co.	Compound	1901	1905	15,000,000	Frankford Station discontinued in 1914
42	NAME OF THE PROPERTY OF THE PR	C) and a		DIA 1	Duplex	1001	4024	4 000 000	Removed from Roxborough Station in
13	Wentz Farm High Service	Steam	2	D'Auria	Compound	1901	1921	4,000,000	1901
1.4	Laudaarla Daint	C+c		Holly Manufacturing	Vertical Triple	1005		20,000,000	Ctill in Coming
14	Lardner's Point	Steam	6	Co.	Expansion	1905		20,000,000	Still in Service
	Laudu aula Daiut	Charte	_	Holly Manufacturing	Vertical Triple	1005		20 000 000	Catillian Commission
14	Lardner's Point	Steam	7	Co.	Expansion	1905		20,000,000	Still in Service

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	5	Co.	Expansion	1905		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	8	Co.	Expansion	1907		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	9	Co.	Expansion	1907		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	10	Co.	Expansion	1907		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	11	Co.	Expansion	1908		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	12	Co.	Expansion	1908		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	13	Co.	Expansion	1908		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	15	Co.	Expansion	1909		20,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	16	Co.	Expansion	1909		20,000,000	Still in Service
					Turbo-				
14	Lardner's Point	Steam	7	De Laval	Centrifugal	1918		35,000,000	Still in Service
				Holly Manufacturing	Vertical Triple				
14	Lardner's Point	Steam	14	Co.	Expansion	,		20,000,000	Still in Service
									These units discarded previous to 1921 to
				Southwark Foundry &	Vertical Triple				make room for the 40 MGD Turbo-
15	Queen Lane Station	Steam	1	Machine Co.	Expansion	1895	1921	20,000,000	Centrifugal units
									These units discarded previous to 1921 to
				Southwark Foundry &	Vertical Triple				make room for the 40 MGD Turbo-
15	Queen Lane Station	Steam	2	Machine Co.	Expansion	1895	1921	20,000,000	Centrifugal units
									These units discarded previous to 1921 to
				Southwark Foundry &	Vertical Triple				make room for the 40 MGD Turbo-
15	Queen Lane Station	Steam	3	Machine Co.	Expansion	1896	1922	20,000,000	Centrifugal units

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
									These units discarded previous to 1921 to
				Southwark Foundry &	Vertical Triple				make room for the 40 MGD Turbo-
15	Queen Lane Station	Steam	4	Machine Co.	Expansion	1896	1922	20,000,000	Centrifugal units
					Turbo-				Removed to Belmont Station in 1922 -
15	Queen Lane Station	Steam	5	De Laval	Centrifugal	1918	1922	25,000,000	No. 5 at Belmont
					Turbo-				
15	Queen Lane Station	Steam	1	De Laval	Centrifugal	1921		40,000,000	These units still in service
					Turbo-				
15	Queen Lane Station	Steam	2	De Laval	Centrifugal	1922		40,000,000	These units still in service
					Turbo-				
15	Queen Lane Station	Steam	3	De Laval	Centrifugal	1922		40,000,000	These units still in service
					Turbo-				
15	Queen Lane Station	Steam	4	De Laval	Centrifugal	1922		40,000,000	These units still in service
				Del Laval pump; G.E.	Electro-				
15	Queen Lane High Service	Electricity	1	motor	Centrifugal	1926		15,000,000	
				Del Laval pump; G.E.	Electro-				
15	Queen Lane High Service	Electricity	2	motor	Centrifugal	1926		15,000,000	
				Del Laval pump; G.E.	Electro-				
15	Queen Lane High Service	Electricity	3	motor	Centrifugal	1926		7,500,000	
				Del Laval pump; G.E.	Electro-				
15	Queen Lane High Service	Electricity	4	motor	Centrifugal	1926		7,500,000	
				Worthington pump;	Electro-				
15	Queen Lane High Service	Electricity	5	G.E. motor	Centrifugal	1926		20,000,000	
				Fairbanks-Morse,	Electro-				
15	Queen Lane High Service	Electricity	7	pump and motor	Centrifugal	1927		5,000,000	Used for wash water
				Fairbanks-Morse,	Electro-				
15	Queen Lane High Service	Electricity	8	pump and motor	Centrifugal	1927		5,000,000	Used for wash water
				Fairbanks-Morse,	Electro-				
15	Queen Lane High Service	Electricity	9	pump and motor	Centrifugal	1927		2,000,000	
				Fairbanks-Morse,	Electro-				
15	Queen Lane High Service	Electricity	10	pump and motor	Centrifugal	1927		1,000,000	

			Unit			Year	Year		
Chapter	Station	Power	No.	Builder	Туре	Start	Disc.	Capacity GPD	Remarks
				Worthington pump;	Electro-				
15	Queen Lane High Service	Electricity	6	G.E. motor	Centrifugal	1929		20,000,000	Pump formerly used at Shawmont
				Reeves Manufacturing					
				Co., E.; R. D. Wood					
16	Torresdale Station	Steam	1	Co., P.	Centrifugal P.	1907		40,000,000	
				Reeves Manufacturing					
				Co., E.; R. D. Wood					
16	Torresdale Station	Steam	2	Co., P.	Centrifugal P.	1907		40,000,000	
				Bates Manufacturing					
				Co., E.; Allis Chalmers,					
16	Torresdale Station	Steam	7	Р	Centrifugal P.	1907		40,000,000	
				Reeves Manufacturing					
				Co., E.; R. D. Wood					
16	Torresdale Station	Steam	3	Co., P.	Centrifugal P.	1908		40,000,000	In 1922 Reeves engines replaced by Ames
				Reeves Manufacturing					
				Co., E.; R. D. Wood					
16	Torresdale Station	Steam	4	Co., P.	Centrifugal P.	1908		40,000,000	Uni-Flow engines
				Reeves Manufacturing					
				Co., E.; R. D. Wood					
16	Torresdale Station	Steam	5	Co., P.	Centrifugal P.	1908		40,000,000	
					Turbo-				These two pumps supplied wash water
16	Torresdale Station	Steam		De Laval	Centrifugal	1908		2,500,000	for filter cleaning purposes
					Turbo-				These two pumps supplied wash water
16	Torresdale Station	Steam		De Laval	Centrifugal	1908		2,500,000	for filter cleaning purposes
					Turbo-				
16	Torresdale Station	Steam		De Laval	Centrifugal	1908		5,000,000	For pre-filter washing purposes
					Turbo-				
16	Torresdale Station	Steam		De Laval	Centrifugal	1908		5,000,000	Used for pre-filter washing purposes
					Motor-driven				This pump discarded in 1910 to make
16	Torresdale Station	Gasoline		Dean Pump Co.	Triplex	1908		?	room for Worthington
					Turbo-				
16	Torresdale Station	Steam		Worthington	Centrifugal	1909		50,000,000	

Chapter	Station	Power	Unit No.	Builder	Туре	Year Start	Year Disc.	Capacity GPD	Remarks
16	Torresdale Station	Steam		Fairbanks-Morse	Centrifugal	1919		3,000,000	1908
					Electro-				
16	Oak Lane High Service	Electricity		Fairbanks-Morse	Centrifugal	1926		10,000,000	Still in Service
					Electro-				
16	Oak Lane High Service	Electricity		Fairbanks-Morse	Centrifugal	1926		7,500,000	Still in Service
					Electro-				
16	Oak Lane High Service	Electricity		Fairbanks-Morse	Centrifugal	1926		7,500,000	Still in Service
					Electro-				
16	Torresdale High Service	Electricity		Fairbanks-Morse	Centrifugal	1926		4,000,000	
					Electro-				
16	Torresdale High Service	Electricity		Fairbanks-Morse	Centrifugal	1926		4,000,000	
				Wagner, M.;	Electro-				
16	Torresdale Station	Electricity		Worthington, P.	Centrifugal	1926		50,000,000	Still in Service
					Electro-				
16	Torresdale Station	Electricity		Fairbanks-Morse	Centrifugal	1926		50,000,000	Still in Service
					Electro-				
16	Torresdale Station	Electricity		Fairbanks-Morse	Centrifugal	1926		50,000,000	Still in Service
					Electro-				
16	Torresdale Station	Electricity		Fairbanks-Morse	Centrifugal	1926		50,000,000	Still in Service
					Electro-				
16	Torresdale Station	Electricity		Fairbanks-Morse	Centrifugal	1927		50,000,000	Still in Service
		•			Electro-				
16	Torresdale Station	Electricity		Fairbanks-Morse	Centrifugal	1927		50,000,000	Still in Service
16	Torresdale Station	Steam	6	?					
	High Pressure Fire Service			Westinghouse, engine;					9 units - Westinghouse gas engines; 9
17	No. 1	Gas		Dean, pumps	Vertical Triplex	1902		[on demand]	units - Dean Triplex Pumps
	High Pressure Fire Service		1	Westinghouse engine,	·				10 units - Westinghouse gas engines; 10
17	No. 2	Gas		Dean pumps	Vertical Triplex	1912		On demand	units - Deans triplex pumps