

New Philadelphia Water Treatment Data

Plant Design Capacity	5.0 MGD
Design per Capita Demand	150 GPD
Actual Average Flow	2.2 MGD

Well Pumps

Number	4
Capacity ea.	2000 gpm at 110' TDH

High Service Pumps

Number	4
Capacity ea.	1600 gpm at 150' TDH

Clearwells

Number	2
Capacity ea.	260,000 & 1,000,000 Gal.

Ion Exchange Softeners

Number	6
Capacity ea.	375,000 gal. per Regeneration

Iron & Manganese Greensand Filters

Number	4
Capacity ea.	680,000 gal. per Backwash

Aeration Towers

Number	2
Design water flow ea.	1700 gpm
Maximum water flow ea.	2400 gpm

Chlorination System

Number	2
Capacity ea.	100 lbs. per day

Brine System

Number	2
Pump ea.	50 gpm at 70' TDH
Tank wet salt storage capacity ea.	140 Tons

Carbon Dioxide System

Number	2
Maximum Feed Capacity	15 lbs. per hour