SCOPE
OF
OPERATIONS

COATESVILLE DISTRICT – WASTEWATER

Collection System Description

The wastewater collection system serves the City of Coatesville, Borough of Parkesburg, and the following Townships: West Sadsbury , East Fallowfield , Caln , West Caln , West Brandywine, Valley, Sadsbury and Highland. The collection system terminates at the wastewater treatment plant in the Borough of South of Coatesville.

The collection system consists of approximately 5,900 customers. The system contains approximately 380,000 feet of sewer mains and approximately 1,500 manholes. The sewer mains consist of vitrified clay, reinforced concrete and polyvinylchloride material, with the oldest pipes approximately 100 years old . The older manholes are predominantly brick and newer ones are constructed of concrete.

PAWC also owns and maintains 15 sewer lift stations which are described below.

Branford Village Lift Station #1 – Constructed in 2001, the wet well is 16.5 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are two -20 horsepower submersible pumps in the station. The building is cement block with a stucco exterior and is located in the Brooks Crossing Development in East Fallowfield Township.

Branford Village Lift Station #2 – Constructed in 2002, the wet well is 16.5 feet deep and 6 feet in diameter with an 8 inch inflow pipe. There are two - 20 horsepower submersible pumps. The building is cement block with a stucco exterior and is located in the Branford Village Development in East Fallowfield Township.

Brinton Station Lift Station #1 – Constructed in 2000, the wet well is 13 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are two- 2 horsepower submersible grinder pumps in the station. This station does not have an above ground structure and all the controls are located in a control panel located on top of the wet well. The station is located in the Brinton Station Development in East Fallowfield Township.

Brinton Station Lift Station #2 – Constructed in 2000, the wet well is 13 feet deep and 6 inch in diameter, with an 8 inch inflow pipe. There are two - 7.5 horsepower submersible grinder pumps in the station. The building is concrete block with a stucco

exterior. The station is located in the Brinton Station Development in East Fallowfield Township.

Millview Lift Station - Constructed in 2003, the wet well is 20.5 feet deep and 6 inch in diameter, with an 8 inch inflow pipes. There are two – 40 horsepower submersible pumps in the station. The building is made of concrete. The station is located in the Millview Development in the City of Coatesville.

Northwoods Lift Station – Constructed in 2007, the wet well is 21 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are and two – 3 horsepower submersible pumps in the station. The building is cement block with a stone exterior. The station is located in the Northwoods Development in East Fallowfield Township.

Parkesburg Lift Station – Constructed in 1995, the wet well is 20.75 feet long by 7.5 feet wide and 12.7 feet deep, with a 12 inch inflow pipe. There are three - 40 horsepower pumps located in the dry well. The building is brick and located in the Borough of Parkesburg.

Providence Hill Lift Station – Constructed in 2006, the wet well is 15 feet deep and 7 feet in diameter with an 8 inch inflow pipe. There are two – 30 horsepower submersible pumps in the station. The building is cement block with a stone exterior and located on West Chester Road in East Fallowfield Township.

Robins Cove #1 Lift Station – Constructed in 2004, the wet well is 10 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are two - 5 horsepower submersible pumps in the station. The building is cement block with a stucco exterior. The station is located in the Stone Creek Development in East Fallowfield Township.

Robins Cove #2 Lift Station – Constructed in 2003, the wet well is 23 feet deep and 8 feet in diameter, with a 12 inch and an 8" inflow pipe. There are two - 60 horsepower submersible pumps in the station. The building is cement block with a stucco exterior. The station is located at the entrance to the Stone Creek Development in East Fallowfield Township.

Sandy Hill Lift Station – Constructed in 2005, the wet well is 18 feet deep and 6 feet in diameter, with an 8" inflow pipe. There are 2- 15 horsepower submersible pumps in the station. The building is cement block with a stucco exterior. The station is located in the Sandy Way Development in West Caln Township.

Strasburg Hunt Lift Station # 1 – Constructed in 1993, the wet well is 13.5 feet deep and 5 feet in diameter, with an 8" inflow pipe. There are two – 2 horsepower submersible grinder pumps in the station. There is no above ground building on site, and controls are located in a control panel on top of the wet well. The station is located in the Strasburg Hunt Development in East Fallowfield Township.

Strasburg Hunt Lift Station #2 – Constructed in 1994, the wet well is 10 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are two- 2 horsepower submersible pumps in the station. There is no building, and controls are located in control panel on top of the wet well. The station is located in the Strasburg Hunt Development in East Fallowfield Township.

West Sadsbury Lift Station – Constructed in 1999, the wet well is 18 feet deep and 8 feet in diameter, with an 8 inch inflow pipe. There are two- 10 horsepower submersible pumps. There is no building and controls are located in a control panel located on top of the wet well. The station is located on Lower Valley Road in West Sadsbury Township.

West Sadsbury Commons Lift Station – Constructed in 2001, the wet well is 20 feet deep and 6 feet in diameter, with an 8 inch inflow pipe. There are two - 20 horsepower submersible pumps in the station. The building is made of fiberglass. The station is located in the shopping center near the intersection of Route 30 and Route10 in West Sadsbury Township.

Wastewater Plant Description

The Coatesville Wastewater Plant was constructed in 1932. The current plant has a permitted Annual Average Capacity of 3.85 MGD. The plant treatment processes consist of grit removal, primary settling, trickling filter/activated sludge biological treatment, secondary settling, and disinfection. Sludge is processed in anaerobic digesters. The sludge is then dewatered with a belt press and the filter cake is disposed of in a landfill. Treated wastewater effluent flows into the West Branch of the Brandywine Creek through and NPDES regulated discharge point.