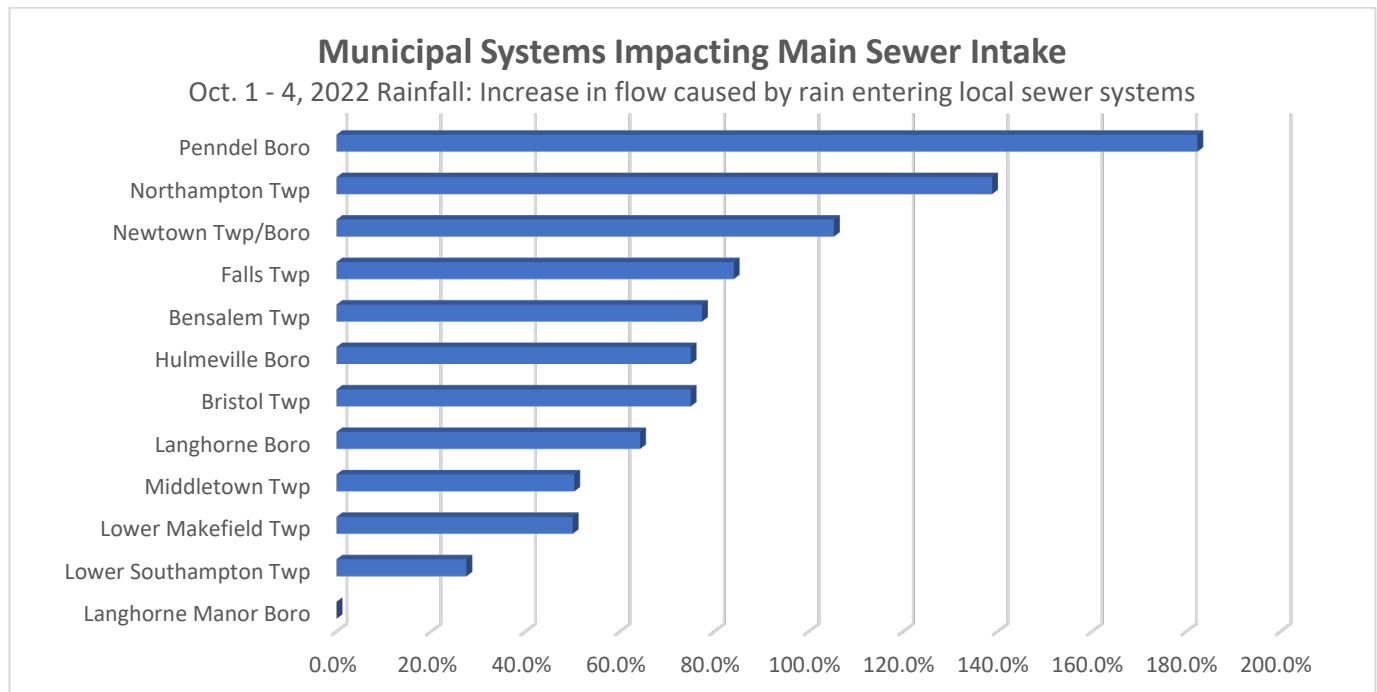


NESHAMINY INTERCEPTOR

Necessary Repairs & Upgrades

Role: The Neshaminy Interceptor takes raw sewage from several municipalities across Lower Bucks County that BCWSA serves to Philadelphia for sewage treatment.

Issue: Heavy rain events burden the entire BCWSA wastewater system as groundwater infiltrates pipes through cracks, leaky joints and deteriorated manholes. This inflow of groundwater can overload the wastewater system and potentially cause sewage overflows to creeks, backups and impaired operations.



Rain over a four-day period more than doubled the sewer inflow into the interceptor from some municipalities

Daily Data Flow - Low & High During Oct. 1 - Oct. 4 Rainfall

Flow Measured by Millions of Gallons Per Day (MGD)

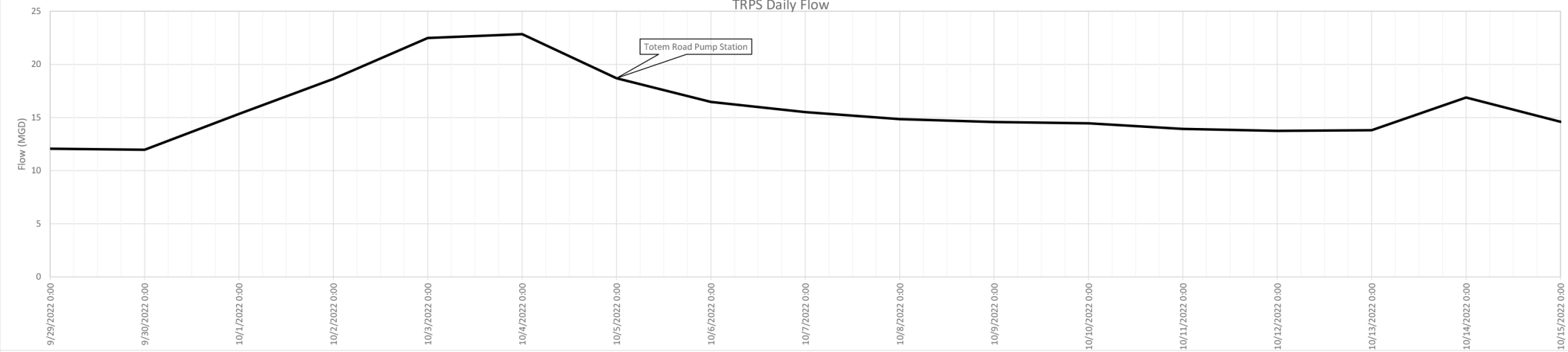
	Low (MGD)	High (MGD)	% Change	Avg. Daily Flow (09/29 - 10/14)
Penndel Boro	0.17	0.48	182.4%	0.25
Northampton Twp	1.88	4.49	138.8%	2.96
Newtown Twp/Boro	1.50	3.08	105.3%	2.08
Falls Twp	1.89	3.48	84.1%	2.42
Bensalem Twp	2.92	5.18	77.4%	3.79
Bristol Twp	0.08	0.14	75.0%	0.09
Hulmeville Boro	0.04	0.07	75.0%	0.05
Langhorne Boro	0.28	0.46	64.3%	0.36
Middletown Twp	2.92	4.39	50.3%	3.49
Lower Makefield Twp	0.74	1.11	50.0%	0.86
Lower Southampton Twp	0.40	0.51	27.5%	0.45
Langhorne Manor Boro	0.04	0.04	0.0%	0.04

Totem Road Pump Station (TRPS) Flow versus Municipal Connection Flow

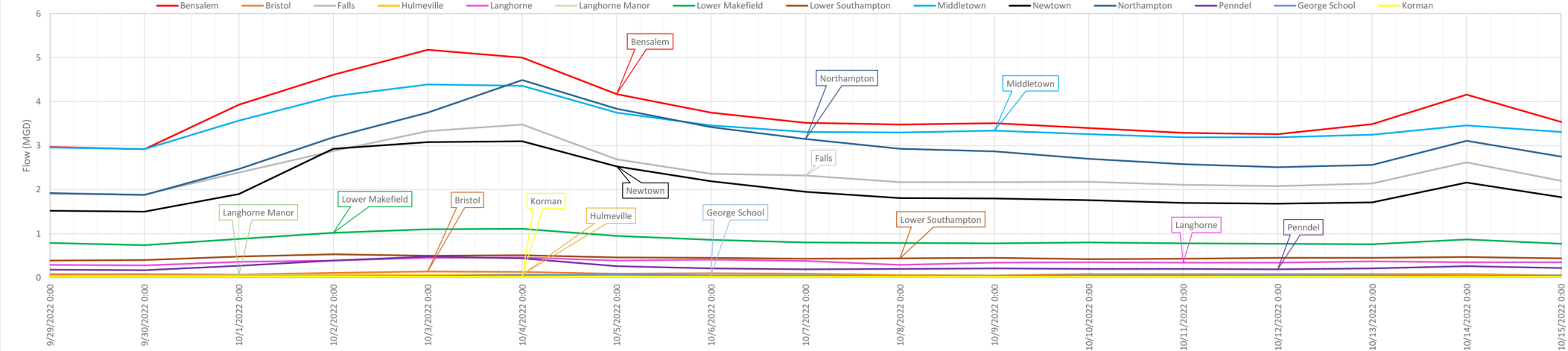
9/29/22 thru 10/14/22

TRPS Daily Flow

TRPS



Municipal Connections by Daily Flow



Daily Rain Measured at Totem Road Pump Station

Daily Rain

