Eatontown Sewerage Authority Board Meeting

November 10, 2026

Engineer's Report

Robert C. Fischer – Sr. Director Water Resources, PS&S

Commissioners and Staff of Eatontown Sewerage Authority, please find the Engineers report for the November 10, 2026, Meeting. I will be present to deliver the report.

Current Projects

Wampum Pump Station:

The 60% design of the upgrades to the Wampum Pump Station on Main Street located Eatontown have been submitted to ESA for review and comment. The upgrades will replace the existing pump station, including supporting equipment and systems, and will follow closely with the design features of the Avenue of Memories Pump Station serving Netflix.

UPDATE: he 60% design drawings, specifications, and Engineer's Opinion of Probable Construction Cost remain under review by the Authority. The TWA application has been signed by the Authority and Borough, and the plans have been submitted to TRWRA for review and signature. Upon receipt of the TRWRA signature, the TWA application will be submitted to the NJDEP. The Flood Hazard Area permit application also remains under review by the NJDEP.

Once received, the project team will address comments from the Authority and continue advancing the design.

DRB Realty Corp Property 12 Main Street, Eatontown

PS&S reviewed the proposed remediation plan submitted by DRB Realty. The property will be excavated to remove contaminated soil to a point adjacent to the ESA 8-inch sewer line. We provided the Authority with a letter recommending the owner of the property provide ESA with a Utility Protection Plan demonstrating the extent of the excavation. We also recommend the owner provide the Authority with a Utility Protection Bond for the duration of the work and for a period following completion and that PS&S be present on the job site when excavation approaches the ESA sewer pipe.

UPDATE: DRB and their consultants plan to begin work removing contaminated soil on Thursday November 5, 2026. PS&S will be on site to ensure the excavation remains out of the sanitary sewer easement, and the sanitary sewer is not impacted, including inspecting the excavation, backfill and removal of trench boxes. ESA has CCTV'd the sewer pre-excavation and the sewer line is in good shape. The sewer line will be CCTV'd again after excavation for comparison. On Wednesday November 4th DRB alerted us that work near the sewer line would not occur on the 5th as planned due to the weather forecast. Work will instead start on Monday the 9th. PS&S will be on site before work begins.

Monmouth Square Downstream Sewer

In preparation for the Monmouth Square and Liberty Point developments, a flow study and capacity analysis was completed on portions of the downstream conveyance system. CSL was contracted by the developer to perform the flow study and issued a report on 7/12/24. Based on the flow study, Langan Engineering performed a flow analysis that indicated a stretch of pipe, 16 inches in diameter from MH176 to MH146, was undercapacity for the anticipated new flow. Subsequently, Langan field measured the pipes a second time and reported they are 18" not 16", and this eliminated the need to upsize the pipes. Since Langan has reported two different measurements for the same pipeline ESA asked Langan to return to the site for further field measurements in the presence of both ESA and PS&S to confirm the actual size of the pipeline. The pipe size was confirmed as 15.5 inches, apparently a lined 16" pipe. ESA subsequently asked PS&S to survey the entire line from the point of Monmouth Square tie in to the ESA yard at MH1.

UPDATE: On September 2, 2026, PS&S and ESA met to begin the survey work. As of November 4, 2026, our survey crew has completed approximately 100% of the manhole rim elevations accessible without a traffic control permit. On October 13th PS&S and ESA began obtaining invert elevations and pipe diameters of the deepest sewers on the interceptor. The work proved to be difficult given the 18-foot depth of the sewers, so the plan was aborted and a new method was devised. On October 28th we revisited the site and were able to obtain accurate readings in a reasonable short time period. On Friday, November 6, 2026, I met with Rob Villee to discuss the plan for the remainder of the interceptor.

PS&S, ESA and Langan also met in October to discuss the installation of flow meters on the interceptor to properly record the current flow since the last flow metering effort missed critical areas. The best method of getting this work completed in a timely manner was discussed.

A hydraulic model will eventually be developed to determine the capacity of the pipeline with respect to the new flow from Monmouth Square and Liberty Point. This information will be used to identify areas in need of necessary pipeline upgrade.

Lewis Street Bridge Forcemain Realignment

New Jersey American Water will be installing a new 24" water main attached to the Lewis Street bridge parallel to and conflicting with the ESA 4" sewer forcemain from the Maxwell Pump station. To allow for the 24" pipe to be located alongside the bridge, the existing 4" sanitary forcemain will require relocation in that area. ESA asked PS&S to review the proposed forcemain realignment to determine if it is acceptable.

UPDATE: NJAW's contractor notified ESA that they plan to begin work on this pipeline realignment on November 19th. PS&S will be onsite to inspect the work and ensure it is completed in line with our previously stated requirements using the correct materials.

Miscellaneous

Pop Up Bagels: PS&S reviewed the grease trap plan submitted by Pop Up Bagels on behalf of the Eatontown Sewer Authority. The grease trap was undersized for the number and size of fixtures. We directed them to correct the size, and a subsequent submittal shows the new size to be adequate for the number of fixtures.

Robert C. Fischer