

## EXECUTIVE SUMMARY

The purpose of this Act 537 Plan is to address the wastewater disposal needs of Matamoras Borough, Milford Borough, and portions of Westfall Township and Milford Township. The planning area for this Act 537 Plan is Milford and Matamoras Boroughs in their entirety, and portions of Milford and Westfall Township. The Study Areas are shown on Map 11 in Appendix C.

An evaluation of existing on-lot disposal systems (OLDS) throughout the Study Area indicated that there is a need for improved wastewater disposal in Matamoras Borough, Westfall Township Southwest, Milford Township East, and Milford Borough. The results of these surveys are included in Chapter 3. The maps summarizing the results of the surveys are included in Appendix G. A complete summary of the results of the sanitary survey are presented in Appendix F.

The needs areas were identified based on needs derived from the number of on-lot malfunctions, soil suitability, and commercial needs and growth. Structural alternatives for providing improved sewage facilities to these study areas were evaluated on the basis of environmental soundness, cost-effectiveness and structural feasibility. Descriptions of each respective study area are presented in this Plan.

The following summarizes the wastewater planning needs and recommendations of the Plan:

**1. Public sewer service should be provided for Matamoras Borough (Alternative No. 2B), Route 6/209 in Westfall Township (Alternative No. 3B), and Broad and Harford Street in Milford Borough (Alternative No. 6F).**

As shown in the cost analyses, the provision of public sewer service to Matamoras Borough along Pennsylvania Ave. is economically feasible as a standalone project if a 45% grant with USDA financing is achieved. Alternative No. 2B would be \$72/EDU in this scenario. The total project cost is \$5,800,000. Because Westfall Township would not institute a mandatory connection ordinance, Westfall Township will not use PENNVEST or USDA funding. Instead, Westfall Township plans to use private funding to help finance the project. For these calculations, the Westfall Authority reserve funds and tapping fee revenue would be put towards project costs to lower the amount financed by debt. As a result, Alternative No. 3B would be financed through a 4.250% bank loan for 20 years with a resulting monthly EDU cost of \$60/month, which matches the existing rate. The total project cost is \$2,600,000. Alternative No. 6F for Milford Borough would be dependent on Alternative No. 3B being implemented by Westfall Township as the cost to extend the line directly to the Publicly Owned Treatment Works (POTW) instead of the Westfall Township line would make the project to cost prohibitive. Assuming that Alternative No. 3B occurs, Alternative No. 6F would be financially feasible with a 45% grant and USDA financing with a monthly cost of \$76/EDU. The total project cost would be \$6,100,000. Additional grants or funding sources should be evaluated to lower the project costs were feasible.

The structural alternatives evaluated in this Act 537 Plan to provide public sewer service to Matamoras Borough, Route 6/209 in Westfall, and Harford and Broad Street in Milford Borough represent technically feasible solutions for wastewater management in these areas, but not all of the solutions are cost effective as presented. Of the alternatives evaluated for these areas, it is recommended that Matamoras Borough pursue Alternative No. 2B, and Milford Borough pursue Alternative No. 6F. It is recommended that Westfall Township pursue Alternative No. 3B. Alternative No. 2B utilizes a low pressure system that has the lowest estimated cost per user among the alternatives that serve all of the needs areas within the Borough. Alternative 3B is a low pressure

system for Westfall Township that serves the commercial district of Westfall Township and has the lowest estimated cost per user. Alternative No. 6F was recommended for Milford Borough because it has the lowest monthly cost per EDU that serves the main portion of the commercial district in the Borough. All of these alternatives make it feasible for future growth and collection of future flows. These alternatives are environmentally favorable, resulting in the abandonment of malfunctioning OLDS in the study area as well as two package facilities that the DEP requires to connect if public sewer is available. This alternative also provides proper planning for potential future growth in the planning areas.

However, without inter-municipal agreements, development agreements, and favorable funding (public and private), alternatives may not be feasible. Once the user sewage rates are set and agreed upon, it is not anticipated that there will be any other complications regarding the inter-municipal agreement.

Since Milford Borough and Westfall Township wish to focus on commercially zoned properties, the structural alternatives primarily focus on treatment for these properties. Similar to Westfall Township, Milford Township will not be passing a mandatory connection ordinance for properties along the extension. The four Municipalities may consider providing public sewer service in different areas if more funding becomes available through developers or private entities.

**2. Milford Borough, Westfall Township, Milford Township, and Matamoras Borough shall each implement enhanced monitoring to determine the need for additional ordinance requirements.**



Based on the low number of failures over the past ten years along with the fact that all properties are required to connect to the central water system, Milford Borough, Westfall Township, Milford Township, and Matamoras Borough will each embark on a five-year plan to have the SEO monitor and report to each Municipality on the number of failures and repairs. Each Municipality will also obtain notices of all services in the Municipality from the waste pumping companies. If the monitoring indicates an increase in possible failures, reach Municipality will begin a formal process of adapting an OLDS Management Ordinance.

The following activities shall be undertaken to ensure implementation of the selected alternatives within the specified timeframes.

Years	OLDS Sewage Management Ordinance Phase I
2020 – 2025	Monitor and Report on On-Lot Disposal Systems
2025-2027	If the five year monitoring period Develop Draft On-lot Disposal System Management Ordinance
	Provide Public Education for On-lot Disposal System Management Ordinance
2027 – 2028	Finalize and Adopt On-lot Disposal System Management Ordinance
2028 – 2029	Implement On-lot Disposal System Management Ordinance, Begin Pumping Cycles

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Years	Selected Alternatives Phase II
0 to 2	Negotiate Updated Inter-municipal Agreement with MATW
	Pursue Funding Opportunities for Construction of Alternative 2B, 3B, 6F Facilities
2 to 5 <sup>(1)</sup>	Design and Permit Alternative 2B, 3B, and 6F Facilities
5 to 9 <sup>(1)</sup>	Construct Alternative 2B, 3B, and 6F Facilities (Assumed to Be Completed in Phases)
6 to 10 <sup>(1)</sup>	Complete Connections to Alternative 2B, 3B, and 6F Facilities

Note (1): Without an updated inter-municipal agreement (including updates to the MATW rules and regulations), development agreement(s), and favorable funding (public and private) these alternatives may not be feasible and may not be implemented.

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