

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 Planning Area indicated that there is a need for improved wastewater disposal in Matamoras Borough, Westfall Township, Milford Township, 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 study 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 planning areas were evaluated on the basis of environmental soundness, cost-effectiveness and structural feasibility. Descriptions of each respective study area are presented in this Study.

Cost analyses were performed in order to estimate costs of implementing each structural alternative. As part of the process, an assumption was that assumed a 45% grant from the USDA's Rural Utilities Service (RUS) and USDA Financing. These assumptions were done on the basis of the affordability limits of each Municipality in order to evaluate the overall financial feasibility of the alternatives, but they do not limit the grants and financing alternatives that each Municipality will explore. The full cost analyses are included in Chapter 5.

The wastewater water planning needs and recommendations of the plan are listed below. However, without finalized 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. In addition, the four Municipalities may consider providing public sewer service in different areas if more funding becomes available through developers or private entities.

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

1. Public sewer service has been chosen for Matamoras Borough (Alternative No. 2B) along Pennsylvania Avenue and select municipal roads.

The provision of public sewer service to Matamoras Borough along Pennsylvania Avenue (Alternative No. 2B) with an assumed 45% grant and USDA financing would be an estimated monthly cost of \$82/EDU. Matamoras Borough will identify additional grants and funding to make it financially feasible upon implementation of the Plan.

The structural alternatives evaluated in this Act 537 Plan to provide public sewer service to Matamoras Borough, represent technically feasible solutions for wastewater management in these areas, but not all of the solutions are cost effective as presented. Of the structural alternatives evaluated for Matamoras Borough, it is recommended that Matamoras Borough pursue Alternative No. 2B. Alternative No. 2B utilizes a low-pressure system that has the lowest

estimated cost per user among the alternatives that serve all the needs areas within the Borough. In Matamoras Borough, the Matamoras Municipal Authority will own and maintain Matamoras' Collection System and be responsible for any tasks related to the upkeep of the system.

2. Public sewer service has been chosen for Westfall Township (Alternative No. 3B) along Route 6/209.

The provision of public sewer service to Westfall Township along Route 6/209 (Alternative No. 3B) with USDA financing would be an estimated monthly cost of \$60/EDU, which matches the existing MATW user rate. For the Structural Alternatives Financial Estimates, the Westfall Authority reserve funds would be utilized for the project costs to lower the amount financed by debt.

The structural alternatives evaluated in this Act 537 Plan to extend public sewer service in Westfall Township, represent technically feasible solutions for wastewater management in Westfall Township, but not all of the solutions are cost effective as presented. Of the structural alternatives evaluated for Westfall Township, it is recommended that Westfall Township pursue Alternative No. 3B. Alternative No. 3B utilizes a low-pressure system that has the lowest estimated cost per user among the alternatives that serve all of the needs areas within Westfall Township, specifically the remainder of the commercial district.

In Westfall Township, the Municipal Authority of the Township of Westfall (MATW) will continue to be sewer authority for the Township and will be responsible for setting user fees, raising capital, implementing planning recommendations, maintaining constructed infrastructures, collection of user fees, and management of debt service. MATW shall also continue to be the institution responsible for owning and maintaining the MATW WWTP.

3. Public sewer service has been chosen for Milford Borough along Broad and Harford Street (Alternative No. 6F).

the provision of public sewer service to Milford Borough along Broad Street and Harford Street (Alternative No. 6F) with an assumed 45% grant and USDA financing would be an estimated monthly cost of \$76/EDU. Milford Borough will identify additional grants and funding to make it financially feasible upon implementation of the Plan.

The structural alternatives evaluated in this Act 537 Plan to provide public sewer service to 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 structural alternatives evaluated for Milford Borough, Milford Borough has selected Alternative No. 6F. Alternative No. 6F utilizes a low-pressure system that has the lowest estimated cost per user among the alternatives that serve all the needs areas within the Borough, in particular, the commercial district. Prior to connections for Alternative No. 6F, Alternative No. 3B would need to be completed.

Milford Water Authority will own and maintain the Sewer Collection System in both Milford Township and Milford Borough and be responsible for any tasks related to the upkeep of the system.

4. No Structural Alternative chosen for Milford Township.

No Structural Alternative has been selected for Milford Township. There is a proposed transmission

line that runs through Route 6/209 in Milford Township, conveying flow from Milford Borough into Westfall Township. At the time of this Study, Milford Township has not expressed interest in requiring residents to connect or to assist with funding the sewer extension from Milford Borough to Westfall Township in the immediate future. Capacity has been reserved and planned for future from Milford Township as noted in Chapter 4. As a result, there are no immediate connections. Based on the OLDS surveys, Well Water Sampling, and good drainage based on the soil data, Milford Township will focus on maintaining the existing OLDS and COLDS in the Township and pass an OLDS Management Ordinance. In the event of future potential connections, Milford Water Authority is Milford Township's selected institutional alternative.

5. Milford Borough, Westfall Township, Milford Township, and Matamoras Borough have chosen to each develop and adopt an Ordinance (Separate) governing the management of on-lot disposal systems (OLDS) within each Municipality.

As mentioned above, Milford Borough, Westfall Township, Milford Township, and Matamoras Borough shall each implement an OLDS management ordinance for their municipality. The Ordinance would provide requirements for the permitting, inspection, operation, maintenance, and rehabilitation of OLDS within the Study Areas and throughout the municipalities. Recommended periodic pumping of OLDS would be included within the Ordinance. Successful implementation of such an Ordinance would be expected to have a positive impact on surface water and drinking water supplies in areas of the four Municipalities where OLDS systems are utilized. Periodic pumping of the tanks will provide for improved operation of the systems and will help to eliminate the occurrence of OLDS malfunctions. Currently, none of the municipalities have any ordinances or regulations requiring mandatory OLDS pumping. The implementation of an OLDS Management Ordinance would allow the Municipalities to further evaluate the need for improved sewage facilities after tank pumping activities have commenced for some period of time.

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

Years from DEP Approval	OLDS Sewage Management Ordinance Phase I
0	Develop Draft On-Lot Disposal System Management Ordinance
	Provide Public Education for On-Lot Disposal System Management Ordinance
1	Finalize and Adopt On-Lot Disposal System Management Ordinance
2	Implement On-lot Disposal System Management Ordinance, Begin Pumping Cycles

Years after DEP Approval (1)	Selected Alternatives Phase II
0	Finalize Inter-municipal Agreements with MATW
	Pursue Funding Opportunities for Construction of Alternative 2B, 3B, 6F Facilities
1	Design and Submit Part II WQM Permit for Alternative 2B, 3B, and 6F Facilities
2	Receive Part II WQM Permit Approval
2.5	Apply for and Obtain Project Financing
3	Bidding of Project
3.1	Finance Closing
3.5	Initiation of Construction
3.5	Substantial Completion
6	Construction Completion/ Final Restoration and connections

Note (1): Without a finalized 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. The Timeline for the implementation schedule begins on the Approval of the Act 537 Plan.