

VIII. Implementation Schedule and Justification for Selected Technical & Institutional Alternatives

A. Identify the technical wastewater disposal alternative which best meets the wastewater treatment needs of each study area of the municipality. Justify the choice by providing documentation which shows that it is the best alternative based upon:

- 1. Existing wastewater disposal needs.**
- 2. Future wastewater disposal needs. (five to ten years growth areas).**
- 3. Operation and maintenance considerations.**
- 4. Cost-effectiveness.**
- 5. Available management and administrative systems.**
- 6. Available financing methods.**
- 7. Environmental soundness and compliance with natural resource planning and preservation programs.**

The South Middleton Township Municipal Authority has completed an Act 537 Special Study that identifies the upgrade / expansion of the existing treatment facility as being the alternative which best meets the needs of the study area. The study is bound as Volume Two of this Plan.

B. Designate and describe the capital financing plan chosen to implement the selected alternative(s). Designate and describe the chosen back-up financing plan.

The capital financing plan selected by SMTMA is to use H2O PA grant financing in the amount of \$8,300,000 supplemented by private bank funding in the amount of \$4,251,000. The back-up financing plan is to secure the \$12,551,000 project cost through private bank financing, which in common with needs on the water system amounts to \$13,225,000.

For the expansion of the sewer on Fairview Street, the cost is estimated to be \$150,000. The Authority will either draw the money from existing reserves or will borrow the money through a drawdown type bank loan.

C. Designate and describe the implementation schedule for the recommended alternative, including justification for the proposed phasing of construction or implementation of a Sewage Management Program.

The implementation schedule will follow the Compliance Schedule as detailed in the final NPDES Permit issued on April 23, 2010. This Compliance Schedule requires the Authority to completed construction

prior to September 30, 2014 and achieve full compliance prior to September 30, 2015.

For the expansion of the sewer on Fairview Street, the project may be completed by an adjacent development. If not completed within the time frame, the Authority will proceed independently of this development.

A Sewage Management Program is currently in place.