

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 on:

1. Existing wastewater disposal needs. (Reference-Title 25, §71.21.a.6).

The existing wastewater disposal needs are summarized in Attachment Eighteen (18).

2. Future wastewater disposal needs. (five and ten years growth areas).
(Reference-Title 25, §71.21.a.6).

Chart taken from

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Upper Crum Creek Flows- Newtown Township
Flow Projections

6/1/2010
Rev 8/10/2010

DESCRIPTION	UNITS	EDU	GPD	STATUS
Echo Valley Service Area	207	262.5	54,337.50	Existing Residential Development Area - Built Out
Florida Park Area	80	262.5	21,000.00	Existing Residential Development Area - Built Out
Hunter's Run	76	262.5	19,950.00	Existing Residential Development Area - Built Out
Hunt Valley Circle Area	30	262.5	7,875.00	Existing Residential Development Area - Built Out
Melmark School			25,000.00	Existing School - Currently On Site Treatment Facility
Episcopal Academy			11,000.00	Existing School - Currently Pumping and Hauling Wastewater
Ashford Development	460		115,000.00	Approved Preliminary Plan - No Building Units Constructed
BPG			267,000.00	Tentative Plan Approval - No Building Units Constructed - SLDL in Progress
National Developers Realty Inc.			250,000.00	National Developers Realty Inc. owns properties throughout Newtown.
Marville Site				Approved for Lot A, Retail Pad Sites; Prelim-Approval Leisure Village; Existing NBC Buildings; Concept Plans for Future Development
Olde Masters Site				No approved Subdivision / Land Development Plans
"Four Seasons" - Gradyville Road				No approved Subdivision / Land Development Plans
Campus Boulevard			26,000.00	Existing Office Complex - Built Out - On Site Septic Disposal
CAMELOT PS				
Newtown Heights	160	262.5	42,000.00	Existing Residential Development Area - Built Out
Newtown Woods	130	262.5	34,125.00	Existing Residential Development Area - Built Out
Dudie, Greenbrier, & Mary Jane	50	262.5	13,125.00	Existing Residential Development Area - Built Out
Pulte Residents & Commercial District	140	*	43,100.00	Existing Residential - Built Out, Existing Commercial - Built Out
Albertos Restaurant & Ex. Terrazza Condominiums (Ex. 108 & Prop. 108)		*	55,000.00	Existing Restaurant - Built Out, Terrazza Condominiums - 108 Units Constructed, 108 to be Constructed
Somerset		*	80,000.00	Proposed Residential Development - Not Yet Constructed, Existing Office Building formerly "Drexel Technical", Existing "Sunrise" Facility

TOTAL CURRENT FLOW PROJECTION 1,064,512.50

Existing Whitehorse Properties, Farrier, Bridle Ln, Withers Ln.	51	262.5	13,387.50	Existing Development - On Site Disposal
Garrett Williamson			4,000.00	Existing Development - On Site Disposal
Sleepy Hollow, Frog Hollow, Springton Pointe Drive, Langollen (30 Additional Units in Marple)	74	262.5	19,425.00	Existing Development - On Site Disposal
Springton Pointe WWTP Service Area			35,000.00	Existing Development - Community Disposal
Springhouse Lane & Carriage Lane	17	262.5	4,462.50	Existing Development - On Site Disposal

3. Operation and maintenance considerations. (Reference-Title 25, §71.21.a.6).

Currently, the existing infrastructure of the Township is owned and maintained by the Township / Municipal Authority. Operation and maintenance would continue for the proposed infrastructure as well. The operation and maintenance of the existing facilities for conveyance is the Central Delaware County Authority. The operation and maintenance of the treatment facilities are the responsibility Delaware County Authority (DELCORA).

4. Cost-effectiveness. (Reference-Title 25, §71.21.a.6).

The method chosen to provide public sewers within the Study area was determined to be the most cost effective means of collecting, conveying and treating the effluent in Newtown Township. Alternate methods of installing package plants, repairing –

restoring on site disposal systems or “doing nothing” are not a fiscally responsible choices for long term sewage planning. The 300,000 gpd Land Application considered to be situate on the Garrett Williamson site was not as cost effective as, nor able to treat the proposed sewage needs of the Township.

5. Available management and administrative systems. (Reference-Title 25, §71.21.a.6).

For the Alternate of Choice:

The management and administration existing facilities in Newtown are the responsibility of Newtown Township and the Newtown Township Municipal Authority. The management and administration existing facilities for conveyance is the Central Delaware County Authority. The treatment facilities are managed and administered and by the Delaware County Authority (DELCORA).

6. Available financing methods. (Reference-Title 25, §71.21.a.6).

No finance option and been finalized for the Alternate of Choice.

Funding options available to NTMA include Municipal Bonds, Delaware Valley Regional Finance Authority (DVRFA) Loan, Pennsylvania Local Government Investment Trust (PLGIT), Pennsylvania Infrastructure Investment Authority (PENNVEST), Pennsylvania Department of Community & Economic Development (DCED), Delaware County Housing Rehabilitation Program (HUD sponsored) or Developer funded. As the systems are designed funding sources will be more thoroughly investigated.

7. Environmental soundness and compliance with natural resource planning and preservation programs. (Reference-Title 25, §71.21.a.6).

The Alternate of Choice, that is, regional sewer facilities are a sound alternative and will be in compliance with natural resource planning and preservation programs. The proposed infrastructure must be in compliance with State, Federal and Local environmental regulations.

- B. Designate and describe the capital financing plan chosen to implement the selected alternative(s). Designate and describe the chosen back-up financing plan. (Reference-Title 25, §71.21.a.6).

No finance option and been finalized for the Alternate of Choice.

Funding options available to NTMA include Municipal Bonds, Delaware Valley Regional Finance Authority (DVRFA) Loan, Pennsylvania Local Government Investment Trust (PLGIT), Pennsylvania Infrastructure Investment Authority (PENNVEST), Pennsylvania Department of Community & Economic Development (DCED), Delaware County Housing Rehabilitation Program (HUD sponsored) or Developer funded. As the systems are designed funding sources will be more thoroughly investigated.

- C. Designate and describe the implementation schedule for the recommended alternative, including justification for any proposed phasing of construction or implementation of a Sewage Management Program. (Reference – Title 25 §71.31d)

Refer to Attachment Seven (7), the Implementation Schedule.

IX. Environmental Report (ER) generated from the Uniform Environmental Review Process (UER)

- A. Complete an ER as required by the UER process and as described in the DEP Technical Guidance 381-5511-111. Include this document as “Appendix A” to the Act 537 Plan Update Revision. Note: An ER is required only for Wastewater projects proposing funding through any of the funding sources identified in the UER.

An Environmental Report pursuant to the terms of this section is not required.