V. PHYSICAL ANALYSIS OF PLANNING AREA

2007 Report Chapter V – Physical Analysis of Planning Area

A. Physical Description of Planning Area

This Section is retained unaltered.

B. Soil Analysis

The previous 2007 report provided general soils information from the Schuylkill County Soils Survey which remains current. However, this section is superseded by the RETTEW Feasibility Study for Community On-Lot Sewage Disposal Systems, West Penn and Walker Township, dated June 6, 2011 [Appendix R-V-1]. *The RETTEW soil feasibility study is based upon soil morphology and on-site soil testing as requested by PA DEP in the TAR.*

The RETTEW soils report includes the evaluation of soils in and around each of the Study Areas for the potential sewage disposal alternatives of: community sand mound, community drip irrigation, and community spray irrigation systems. Solids will be settled at each residence then the effluent will be pumped for disposal at the selected site.

In response to the new "Needs Assessment" report, RETTEW provided an addendum memorandum to the June 6, 2011 On-Lot Sewage Disposal System Feasibility Study directed towards the significantly lower flows anticipated for cluster community systems which could be located within each of the five (5) village study areas [Appendix R-V-2].

C. Geological Features and Analysis

This Section is retained unaltered.

D. Topographical Analysis

This Section is retained unaltered.

E. Drainage Basins/Watershed Analysis

This Section is retained unaltered.

F. Floodplains/Alluvial Soils

This Section is retained unaltered.

G. Wetlands/Hydric Soils

This Section is retained unaltered.

H. Potable Water Supplies

This Section is retained unaltered.