

Springwater Official Plan

Section 22 – Waste Water Treatment Policies

22.1. Objective

- 22.1.1. To strive to ensure for the provision of systems and facilities which will result in the correct and appropriate handling, treatment and disposal of domestic and non-hazardous wastewater.
- 22.1.2. To maintain a high standard in regard to post treatment discharge of wastewater to protect the quality of the Township's surface and subsurface water systems.
- 22.1.3. To encourage and promote methods and measures which would result in the conservation of water use through appropriate engineering, building, systems and regulatory requirements
- 22.1.4. **To encourage the establishment of assimilation capacity studies or master servicing plans, on a watershed or subwatershed basis. [Mod. #58 - Jan.28/98].**

22.2. Policies

- 22.2.1. The treatment and disposal of wastewater is an integral component of all land use development, both past and future. The continuing growth and prosperity of the Township is very much dependent on the safe, economical and efficient treatment and disposal of wastewater and its by-products. In this regard the Township shall promote and encourage the use of modern and cost effective measures and systems which may include full municipal wastewater treatment plants and communal or individual wastewater systems or package plants which may involve surface or subsurface discharge.
- 22.2.2. Lands used or set aside for Municipal or communal wastewater treatment systems will be designated on the Land Use Schedules of this Official Plan. In regard to communal systems, associated with multiple lot/unit subdivisions or condominium developments, any Official Plan Amendment to permit such uses shall designate the lands employed in the operation of such facilities. Typically, such systems and lands associated with single use/ownership developments, may not require designation but may, as is applicable to the above noted situations, be set out in the implementing Zoning By-law.

- 22.2.3. In addition to the wastewater treatment system, buildings and equipment, this designation may also permit the use of the lands for public utilities and other compatible public uses.
- 22.2.4. It is anticipated that technology and methods of treatment and discharge related to wastewater treatment systems will change and evolve through the life of this Plan. It is a policy of this Plan to promote and encourage methods, equipment and innovative approaches to the treatment of wastewater which will enhance and improve the end product and provide appropriate protection to the environment.
- 22.2.5. In regard to communal or package wastewater treatment facilities serving multi-lot/unit residential developments, it is anticipated that the ownership of the associated lands, buildings and equipment will vest with the Township or other public agency. The assumption of these works and property may be set out through agreement between the developer and the appropriate public agency. Such ownership may also be extended to multi lot industrial and commercial developments. Public ownership may be deemed not to be necessary in regard to single ownership commercial and industrial uses except where multiple unit residential uses form part of the development. The typical test to be applied where the need for public ownership is in question is the existence of multiple uses of a nature where, should the treatment system fail for any duration of time, that this failure would result in the lack of permanent accommodation and would create a situation of undue hardship for the residential owners or tenants.
[Mod. #59 - Deletion of two words - Jan.28/98]
- 22.2.6. In the case of wastewater treatment facilities which are owned by the Township or other public agency, the operation, repair and maintenance of such systems will be the responsibility of the owner. The owner may however contract out this responsibility as is deemed appropriate. In the case of private contracts, the owner should ensure through agreements, insurance, bonding or other methods that securities are in place. Such securities should provide for the ongoing operation, maintenance, emergency repair and replacement of the treatment facility so that the users are properly served and that the owner and wider public interest is protected in regard to unexpected costs and damages.
- 22.2.7. The Township will strive to promote and encourage the conservation and appropriate use of water which may include educational, systems and equipment and regulatory efforts. Appropriate water conservation methods should be a consideration in all forms of development.
- 22.2.8. Snow Valley: In addition to the policies of this section Waste Water Treatment Policies Section 22 the following policies shall apply to the Settlement Area of Snow Valley.

22.2.8.1. Prior to the draft approval of any plan of subdivision or condominium plan, a Master Servicing Plan for the overall Snow Valley settlement area shall be prepared for the proposed development area and approved by Council. A maximum of three (3) Sewage Treatment Plants and appropriate number of leaching trenches/beds shall be constructed to accommodate total future development within the Snow Valley Settlement Area. Each Sewage Treatment Plant shall be designed to meet or exceed all applicable effluent criteria.

Infrastructure works required to traverse watercourses shall use the best management practice and shall only be permitted when directional boring technology is employed and may be subject to the Class Environmental Assessment Process.

The location of any sewage treatment plant or wastewater treatment facility shall be a minimum of 60 metres from the boundary of any residential development area.

22.2.8.2. All Sewage Treatment Plants shall be designed using Township Engineering Standards and criteria, including an average daily flow of 1440 Litres per residential unit. A Servicing Strategy for each proposed phase of development shall be prepared by the developer and approved by Council prior to approval of a plan of subdivision or condominium plan. The Servicing Strategy shall be consistent with the overall Master Servicing Plan for the Settlement Area.

22.2.8.3. The Servicing Strategy shall address detailed design requirements outlining the following information:

- a) Proximity to existing sanitary sewerage system(s).
- b) Sanitary sewerage proposed for development.
- c) Most feasible method of servicing the proposed development.
- d) Priority area(s) which may be considered for initial servicing. These priority areas shall have regard for the phases of development as identified on Schedule A-12A of this Plan.
- e) Environmental matters as outlined in Section 8.10.4 Environmental Monitoring of this Plan.

22.2.8.4. As a condition of draft plan approval or condominium plan approval, a groundwater monitoring program shall be created to ensure that quality impacts from communal leaching fields/trenches are within acceptable levels. Monitoring of groundwater quality down gradient of the leaching fields/trenches locations is to be undertaken four (4) times a year once the leaching fields/trenches are fully operational and for a two year time period.

Monitoring parameters include nitrates, phosphorous, chlorides, total coli and E coli. The monitoring program is to continue for two (2) years after each phase of development has been built and 80% occupied.

22.2.8.5. The Servicing Strategy will require review and approval by the Township in consultation with the Nottawasaga Valley Conservation Authority and the Ministry of the Environment.

22.2.8.6. Communal sanitary sewage disposal systems shall be reviewed in the context of suitable administrative and financial arrangements and agreements to the satisfaction of the Township of Springwater and the Ministry of the Environment. **[OPA #13 OMB approved Jan. 27/03]**