



TOWN OF WILLISTON

MEMORANDUM

Town of Williston
7900 Williston Road
Williston, VT 05495
1763
Public Works
(802) 878-1239

TO: Rick McGuire, Town Manager

FROM: James Sherrard, Stormwater Coordinator

CC: Bruce K. Hoar, Public Works Director

DATE: 10/27/16

RE: Long Term Costs Associated with Expired Permits

The anticipated incorporation of expired stormwater permits into the town's general permit will provide long term cost savings to individual neighborhoods currently proposing upgrades to their respective stormwater treatment systems (Systems). These long-term costs which will either be eliminated or funded through the Stormwater Program budget include relief from permitting cost, required maintenance of Systems, repairs/replacement of Systems and any future requirements associated with a changing permitting landscape.

Relief from permit

Individual permits within the Allen Brook Watershed are subject to an annual operating fee of \$160/acre of impervious with a minimum fee of \$160. It should be noted that this fee increased from \$80/acre of impervious last year. Future increases are unknown but inevitable over time. Individual permits also must submit a permit renewal form every 5 years at a current fee of \$240.

Additionally, individual permits require annual inspections and tri-annual certifications of compliance by a stormwater designer which is either a licensed professional engineer or an individual with qualifications acceptable by the Secretary of Agriculture.

Upon incorporation of an individual expired permit into the town's general permit none of the above costs will remain the responsibility of the neighborhood.

Lastly, once incorporation is complete, the cloud on individual homeowner's titles will be lifted. This will eliminate the need to have legal professionals prepare a "deferral of permit" application to facilitate home sales.

Maintenance of Systems

Cost of future maintenance, inspection and repairs/replacement is spread out to all rate payers at the point of incorporation. An estimate of maintenance and inspection costs over a period of 20 years is provided in Table 01 below.

Changing Permitting Landscape

With water quality issues becoming more of a focal point at the state level it is unknown what subsequent permitting requirements may be placed on permit holders in the near future. What is a certainty is the implementation of a phosphorus control plan (PCP) for all municipalities contributing to the Lake Champlain Basin. As a municipality currently working on a Flow Restoration Plan (FRP) it is easy to see what sort of implications a PCP may have on individual permit holders. When an expired permit is incorporated into the towns general permit all future permitting requirements related to said permit will be the responsibility of the town.

Table 01: 20 Year Maintenance Costs

Neighborhood	Impervious Cover	IC Treated (hectare)	Personnel (hr/yr) ¹	Personnel ² (\$/hr)	Personnel (\$/year)	Material (\$/year)	Annual Maintenance Costs ³	Pond Count	Dredge ⁴	Total 20 yr Cost
Allenbrook Meadows	1.9	0.8	40	\$75	\$3,000	\$214	\$3,214	0	\$0	\$64,286
Brennan Woods Neighborhood	16.2	6.6	40	\$75	\$3,000	\$1,783	\$4,783	1	\$40,000	\$135,664
Coyote Run	6.3	2.5	80	\$75	\$6,000	\$693	\$6,693	2	\$80,000	\$213,869
Golf Links Neighborhood	7.5	3.0	80	\$75	\$6,000	\$820	\$6,820	2	\$80,000	\$216,401
Taft Farms Condominiums	1.7	0.7	40	\$75	\$3,000	\$187	\$3,187	1	\$40,000	\$103,743
Indian Ridge	4.6	1.9	40	\$75	\$3,000	\$505	\$3,505	1	\$40,000	\$110,107
Meadow Run and Forest Run Neighborhood	7.0	2.8	80	\$75	\$6,000	\$771	\$6,771	2	\$80,000	\$215,410
Meadowridge Neighborhood	13.6	5.5	120	\$75	\$9,000	\$1,497	\$10,497	3	\$120,000	\$329,940
Old Stage Estates	4.2	1.7	80	\$75	\$6,000	\$462	\$6,462	2	\$80,000	\$209,246
Pleasant Acres	0.2	0.1	7	\$75	\$504	\$26	\$531	0	\$0	\$10,611
South Ridge Neighborhood	16.6	6.7	160	\$75	\$12,000	\$1,827	\$13,827	4	\$160,000	\$436,545
Turtle Crossing	3.3	1.3	40	\$75	\$3,000	\$363	\$3,363	0	\$0	\$67,265
Turtle Pond	1.8	0.7	40	\$75	\$3,000	\$200	\$3,200	1	\$40,000	\$104,007
Whitney Hill	1.4	0.6	40	\$75	\$2,982	\$156	\$3,139	1	\$40,000	\$102,775
Williston Commons	3.4	1.4	40	\$75	\$3,000	\$370	\$3,370	1	\$40,000	\$107,397

\$2,427,267.21

¹Personel hours capped at 40 hrs/yr/pond

²Personel hours include but are not limited to inspection, trash/debris removal, mowing/brush hogging and outlet cleaning

³Costs Estimates Based on Published Research (Houle et al., 2013)

⁴Cost of dredge assumes dredging every 5 years at a cost of \$10,000/dredge over a 20 year design life