



Town of Shelburne, Vermont

CHARTERED 1763

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MEMORANDUM

To: Joe Colangelo, Town Manager
From: Chris Robinson, Water Quality Superintendent
Date: July 6, 2017
Re: Draft Wastewater Discharge Permits – WWTF 1 & 2

The draft wastewater discharge permit for WWTF#1 has been issued and a public hearing is required per the permit. This hearing is scheduled for August 10th, 7-9 PM at the Shelburne Town Offices. The draft permit for WWTF#2 is expected to be issued this week. If this is the case, the public hearing scheduled for August 10th can be used for both permits. The public hearing is the responsibility of the State of Vermont.

Wastewater discharge permits are valid for five years. WWTF#1 was last issued a permit in 2007 and WWTF#2 in 2004. The issuance of a new permit has been delayed due to the EPA's disapproval of the Vermont portion of the 2002 Lake Champlain Total Maximum Daily Load (TMDL). New permits were not able to be issued until the new TMDL was complete. This occurred in 2016.

Highlights of the new permits include:

WWTF#1

1. Additional Nitrogen sampling.
2. Additional Whole Effluent Toxicity (WET) testing.
3. Lower Annual Total Phosphorus limit – Due to the size of the facility and the lake segment that WWTF#1 discharged to our annual pounds limit decreased from 767 pounds (0.57 mg/l) to 269 (0.2 mg/l) pounds. We currently discharge less than 195 pounds per year.

WWTF#2

1. The draft permit has not been issued yet; however, the following changes are expected based on a previous meeting with State officials.
2. Additional Nitrogen sampling and lower ammonia limit.
3. Lower Annual Total Phosphorus limit – Due to the size of the facility and the discharge to McCabe's Brook our annual pounds limit decreased from 1095 pounds (0.57 mg/l) to 352 (0.175 mg/l) pounds. We currently discharge less than 250 pounds per year.

Both Facilities

1. Phosphorus Optimization Plan – required within 120 days of permit issuance due to Lake Champlain TMDL requirements.
2. Phosphorus Elimination/Reduction Plan – required within 12 months of permit issuance due to Lake Champlain TMDL requirements.
3. Emergency Action Electric Power Failure Plan – required within 90 days of permit issuance.
4. Operation, Management, and Emergency Response Plan – required by December 31, 2018.