



Epping Water and Sewer Department
157 Main Street
Epping, New Hampshire 03042-2440
603-389-7058

Teresa Ptak
NPDES Permits & Compliance
Wastewater Engineering Bureau, Water Division, NHDES
29 Hazen Dr.
Concord, NH 03302

December 14, 2021

Re: NPDES Permit #NH0100692 - Emergency Bypass Plan

Teresa,

As Water & Sewer Superintendent for the Town of Epping, NH, on behalf of the permittee, I am notifying the EPA and the NHDES of the potential need to bypass the MBR process units of excess flows and elevated Lagoon volumes. Due to the equipment flooding issue and recovery time that has been previously reported, construction activities for the next phases of the installation of two (2) new MBR unit processes, and physical process issues, the facility currently has a significant volume of water that is being stored in both lagoons. The lagoon levels are at a critical point and a bypass is necessary to allow us to gain storage volume back in the lagoons so we can store peak flows over the winter and not have to process that ice cold water through the process which kills our nitrifiers and prevents us from being able to meet permit. While the ability to treat and discharge Influent Wastewater within our permitted limits has improved over the last several days to the point that we are able to discharge more flow than we are receiving, it has all been during a period of dry weather and we still have some time to go until the remaining two (2) MBR's are operational, currently projected as end of January 2022.

The wastewater coming from the lagoons at a minimum is treated through fine screening, grit removal, and Primary treatment. Some Secondary treatment should also be occurring in the Lagoons. We would like to begin bypass as soon as possible. We also would like to discuss the sampling and analysis of the bypass that would be required, understanding that we may not be able to meet all permitted requirements.

Emergency Bypass Plan

We plan to pump Lagoon contents through the Ultraviolet Disinfection System at the rate of 200gpm, 24/7, for a period of 30-days utilizing a gasoline driven pump. The Lagoon effluent will be blended with plant effluent, sampled and analyzed as required by our Discharge Permit. The total volume will be approximately 8.5 MG. We would institute a bypass as soon as we are able.

Thank You. If you have any question or comments, please feel free to call me.

A handwritten signature in black ink, appearing to read "M Votto".

Mark Votto
Epping Water and Sewer Superintendent

cc Solanch S. Pastrana-Del Valle USEPA, Stephanie Larson NHDES