



University of Massachusetts Dartmouth
The School for Marine Science and Technology

Mr. Chance Perks, Agent
Conservation Commission
City of New Bedford, MA

December 12, 2021

Dear Mr. Perks,

I am writing to update you and the Commission on our continuing work with Microbelift for AMT BioProducts Inc. As you know we have been testing this product in Buttonwood Pond over the past few summers. Unfortunately due to COVID-19 and associated restrictions, we experienced some delays in the project schedule. However, we have been continuing the post-application monitoring and did successfully collect samples in Buttonwood Pond through summer 2021. The samples are still being analyzed and the up-coming report will be provided to you through AMT BioProducts, Jeff Young (who you have been dealing with).

At this time, there is interest in testing industry claims that the microbial applications enhance organic matter decomposition in the sediments thus reducing the bottom "sludge" accumulations and also reduce nutrient release from freshwater sediments in general. This work is also with Mr. Jeff Young. Together we have designed a laboratory experiment to test these claims and are moving ahead with appropriate preparations. I am writing to indicate that we need to collect 12 intact sediment cores (8" diameter and 7" deep) as test material. The total sediment volume is less than 10 gallons. We want to collect these cores from the soft sediment area in Sassaquin Pond, a pond we have previously sampled for the City. The material will not be returned to the pond, but disposed of in the appropriate SMAST wastestream. To our knowledge this tiny volume of material does not reach any permit thresholds that would require a formal permit. However, we felt that you should be apprised of our intent in case you require something from us before we proceed.

Thank you for your consideration and hope to hear from you soon.

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Sincerely,

Brian L. Howes, Chancellor Professor
Director Coastal Systems Program
Department of Estuarine and Ocean Sciences, SMAST
706 S. Rodney French Blvd
New Bedford, MA 02744
bhowes@umassd.edu