

October 15, 2020

Mr. Chad Nosbisch
Water/Wastewater Plant Operations Manager
6644 W. Price Boulevard
North Port, FL 34291-4106

Dear Mr. Nosbisch,

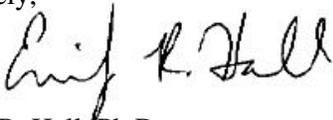
The City of North Port is operating under a Southwest Florida Water Management District Individual Water Use Permit No. 20 002923.013 (dated April 8, 2011). As part of this permit, Special Condition 17 requires monthly sample and data collection under a defined Hydrobiological Monitoring Plan (HBMP) as submitted to the District on June 13, 2006. Changes to the existing HBMP may be proposed but may require modification of the Water Use Permit. The HBMP effort is a recurring work element of the Utilities Department *and is being performed by Mote Marine Laboratory in conjunction with Utilities staff.*

On a triennial basis, the District also requires a data summary and interpretation to evaluate if withdrawals by the City have caused, or will cause, adverse impacts to the ecology of the river and/or its estuary (as defined by District Rule and associated Performance Standards). The last of these reports was *prepared by Mote Marine Laboratory and submitted in 2018.* The upcoming report is due April 1, 2021 and provision for this report should be included in the FY 2020-2021 budget together with the ongoing monthly monitoring effort.

Previously, the triennial report included a compilation of relevant flow and rainfall data, statistics on withdrawals and discharge, all monthly water quality data, and interpretation of both seasonal and salinity-related water quality variations. Predictive models were developed to compute salinity of the lower Myakkahatchee Creek (below WCS-101 and WCS-106) identified the importance of flows in the Myakka and Peace Rivers. Salinity impacts under a variety of City withdrawal scenarios were predicted to indicate the level of impact expected from the City's withdrawals. In the absence of specific guidance from the District, we propose to provide updated data summaries, review previously identified water quality relationships, assess the continued relevance of the predictive salinity model, and demonstrate the minimal impacts under potential City withdrawal scenarios. The previous reporting effort was \$35,000. **We estimate the 2021 report to require \$35,000 for planning purposes.** *This amount takes advantage of the efficiency of utilizing Mote Marine Laboratory as the contractor to re-apply their previously developed analyses, techniques and models.*

Thank you again for allowing Mote Marine Laboratory to have performed this work over the last year and we look forward to continuing our relationship.

Sincerely,



Emily R. Hall, Ph.D.
Cc: Ms. Michelle Tipp

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