

**Subject:** RE: Quarterly Update - City of St. Petersburg  
**From:** "Michael C. Perry" <[Michael.Perry@stpete.org](mailto:Michael.Perry@stpete.org)>  
**Sent:** 11/3/2023 4:07:01 PM  
**To:** "Carolyn Cush" <[caree711@yahoo.com](mailto:caree711@yahoo.com)>;  
**CC:** "Mark Carroll" <[mark.carroll.public@gmail.com](mailto:mark.carroll.public@gmail.com)>; "Don Schmidt" <[dschmidt3498@gmail.com](mailto:dschmidt3498@gmail.com)>;

Carolyn,

My sincere apologies for taking the week to respond. I had a meeting with my colleagues in Engineering to discuss next plans and can provide a tentative schedule moving forward.

The adaptive management plan was developed to summarize all the best available data and science we have collected in the past several years and use this information to inform decisions moving forward. Since there are multiple factors that contribute to water quality, and several different methods to control stormwater lakes, this plan looked at the trends in water quality and aligned them with available technologies to address the main problem, nutrients. The “adaptive” part of this plan is important because we want to be able to plan and pivot our management activities depending on the efficacy of the different parts of the plan.

With that, two important findings were: The alum treatment was effective and long lasting in removing nutrients from the water column and that a significant source of nutrient cycling was also coming from the sediment layers.

After talking with my team, Engineering is putting together a proposal that includes water sampling in order and a follow up Alum treatment. We will then analyze the effectiveness of the alum and use findings to schedule additional treatments. This will help may also provide us a timeline and scale of dredge activities – With more effective alum requiring less dredging impacts. With the our adaptive plan, even if it turns out the alum is NOT effective, we would pivot to our dredging plan.

This sampling and alum treatment is projected to being in first quarter of 2024. We will likely take a month or two of background samples, treat, and then adjust as needed.

As to recent data, we do not have any water quality samples since the last update as the contract for sampling ended in July. When sampling to track this alum treatment we will typically ask for a year of sampling to help with establishing trends.

Long term, I am looking into putting Harbor Isle Lake onto a City owned sampling program. Right now the City’s abilities to take samples in-house are limited to surface grab samples close to the shoreline. I think Harbor Isle deserves a more detailed sampling regime. This is why it is currently contracted out. So, in the coming year I will be working with our internal Environmental Compliance Division, to get the hardware needed to cost-effectively provide the detail needed to characterize Harbor Isle’s water quality effectively.

If you have any questions, please let me know, and thank you again,

**Michael Perry, P.E.**  
*Lakes Manager  
Senior Stormwater Operations Manager  
City of St. Petersburg  
727-893-7759 (Office)*

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**From:** Carolyn Cush <[caree711@yahoo.com](mailto:caree711@yahoo.com)>  
**Sent:** Monday, October 30, 2023 12:36 PM  
**To:** Michael C. Perry <[Michael.Perry@stpete.org](mailto:Michael.Perry@stpete.org)>  
**Cc:** Mark Carroll <[mark.carroll.public@gmail.com](mailto:mark.carroll.public@gmail.com)>; Don Schmidt <[dschmidt3498@gmail.com](mailto:dschmidt3498@gmail.com)>  
**Subject:** Re: Quarterly Update - City of St. Petersburg

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Hi Michael,

We have our next board meeting this upcoming Sunday, would you be able to provide at least a brief update for the board with respect to what the adaptive management plan is and if there is new data available past July?

Thanks,  
Carolyn

On Thursday, October 19, 2023 at 11:17:32 AM EDT, Carolyn Cush <[caree711@yahoo.com](mailto:caree711@yahoo.com)> wrote:

Hi Michael,

Thank you, it would be good to know what that plan is, this is the adaptive management plan mentioned in the last quarterly update? I see the water quality data goes through July, is that accurate or is there new data available? Also- do these updates go out to all residents via snail mail? We can continue to send them out through the HIHOA digitally, however, this does not reach all residents since not all are part of the HIHOA.

Please be advised, Geoff is no longer on the board. I am chatting with another board member to be the main contact since I am not physically there but happy to still participate in discussions and be part of the lake committee.

Best,  
Carolyn

On Monday, October 9, 2023 at 10:41:13 AM EDT, Michael C. Perry <[michael.perry@stpete.org](mailto:michael.perry@stpete.org)> wrote:

Good Morning All,

I just wanted to send a quick update to you because I have not been able to send a 3<sup>rd</sup> quarter update yet regarding Harbor Isle Lake.

I am working on a timeline on next steps now that we have a management plan, and in doing so am discussing with my colleagues in our Engineering Department on budgets for this fiscal year and FY25. My discussion with them will allow me to have some more useful information to provide to the community.

If you have any questions or concerns please let me know, and I aim to have some of this information with tentative schedule to you in this month.

Thank you,

**Michael Perry, P.E.**

*Lakes Manager*

*Senior Stormwater Operations Manager*

*City of St. Petersburg*

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