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Contact person: Sarah Bartlett

Organization: NEW Water: the brand of Green Bay Metropolitan Sewerage District

Address: 2231 N. Quincy Street Green Bay, WI 54302

Phone number: (920) 438-1088

Project Title: “Assessing Cyanobacterial Harmful Algal Blooms (CHABs) in Lower

Green Bay”

Period covered by this invoice: *08/18/2017* to *10/25/2017*

2017 Quarter 3 Report

This additional invoice and report covers the added costs for analyses at sites 23T and 25T as well as field training, supplies, and support for the crew based out of St. Norbert College.

*Sampling*

Sampling for the project continued through August and officially ended Oct 25, 2017. An active cyanobacterial bloom was present at Bay Beach and Joliet Park throughout October, as well as the Fox River (site 16). Bi-weekly samples were collected by NEW Water and St. Norbert’s at Bay Beach and Joliet Park and Site 23 and 25 were sampled sporadically when time and weather allowed by St. Norbert’s students. In total, we collected 162 samples for the 2017 cyanoHAB season from 8 different sampling sites.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site | 16T | 22T | 32T | 41T | 23T | 25T | Bay Beach | Joliet Park |
| Number Samples | 21 | 19 | 19 | 19 | 9 | 8 | 35 | 36 |

Samples continued to be collected for cyanotoxin analysis at UW-Milwaukee and algal enumeration at the State Lab of Hygiene, as well as phycocyanin, chlorophyll-a, nutrient and other limnological variable measurements at NEW Water.

*Continuous Monitoring Station*

The Entrance Light continuous monitoring station was retrieved October 4th and due to dredging at the mouth of the Fox River, the Fox River station needed to be retrieved Aug 23 and was not redeployed due to dredging. Sensors were performing as expected and the 2017 data will be analyzed in the off-season.