City of Birmingham
A Walkable Community

MEMORANDUM

Department of Public Services

DATE: **April 13, 2015**

TO: **Joseph A. Valentine, City Manager**

FROM: **Lauren A. Wood, Director of Public Services**

SUBJECT: **Staff Report – Quarton Lake Treatment Plan**

This serves as an update about the treatment plan for Quarton Lake for this season. Also, find attached a copy of the report provided at the November 10, 2014 City Commission meeting about the project being postponed last year. HRC informed us on March 25, 2015, the Michigan Department of Environmental Quality (MDEQ) told them the permit has expired and that a new one would need to be applied for this year. According to the MDEQ, since Quarton Lake is already in the system with the MDEQ, permits will be facilitated more efficiently.

In addition, the MDEQ recommends the applicator apply for the permit for which we had already anticipated doing this year. As you concurred, I authorized we proceed with Tri-County Aquatics, for a not to exceed price of $5,600.

Tri-County Aquatics is the preferred vendor, as they were low bidder last year, they will apply for the permit and take care of all of the reporting for us. The annual permit is $200.00 During this permit application, it allows the vendor to request products that they know work best and have been used and currently used on other projects. They are very experienced with this work. The treatment timeline is to be ready to treat in late May or early June. Tri-County Aquatics, Inc. scope of services will include applying for the permit, treatment, reporting with the MDEQ and follow-up care and recommendations.

They will re-assess the lake to see whether a second treatment will be necessary or recommended. If so, a second treatment may occur early August, which will depend on the overall conditions after the review.

I will continue to provide updates to you on the Contractors schedule, product information and public notification distribution timeline. We will follow the same aggressive plan to notify the area residents of this project as we used last year. Some of the public announcements included an article in the Eccentric newspaper, a postcard mailed to all property owners on or across from the lake, submitted information about the project provided to the Quaker (local neighborhood newsletter), press releases and the City website.

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MEMORANDUM

Department of Public Services

DATE: **October 30, 2014**

TO: **Joseph A. Valentine, City Manager**

FROM: **Lauren A. Wood, Director of Public Services**

SUBJECT: **Staff Report – Quarton Lake Management Plan Update**

This serves as an update since the August 11, 2014 City Commission meeting in which authorization was given to apply for a permit with the Michigan Department of Environmental Quality (MDEQ) and treat the lily pads at Quarton Lake. The City received the Aquatic Nuisance Control permit for Quarton Lake on September 12, 2014. Hubbell, Roth and Clark, Inc. (HRC) formalized the quotes for this work with each of the firms in order to get updated pricing.

The lowest qualified bidder, Tri-County Aquatics was notified to proceed with this work at the end of September. In advance of the treatment, the contractor posted notices around the treatment area at Quarton Lake for seven days. Residents were updated on the project via postcards, City website and local newspaper. The projected treatment day was October 10, 2014. Due to equipment complications by the Contractor they were unable to treat on this day.

In addition, they recommended we wait to treat until next year because the target plants are better than fifty percent dead and will be gone within the next few weeks due to natural die off. Treatment at this time will have little or no effect on the plant growth next year.

HRC checked with another Contractor to see whether they would be able to treat the lake this year; plus ask for an opinion about treating this year. Both of these Contractors recommend waiting until next spring or early summer to treat, which will provide better treatment results. Based on the opinions of the experts along with conferring with the MDEQ, everyone is in agreement not to treat the lily pads this year. The optimal time to treat would be as the lily pads are coming up and just beginning to display leaves on the surface of the water.

The chemical treatment will require multiple treatments next season. HRC is arranging for our permit to be extended into next year to cover all of the treatments. We will continue to advise in advance of next year's treatment program.