



Michael Beimer, City Administrator
Mark Winder, Chief of Police
Dan Boggs, P.E., City Engineer

Jim Moore, Mayor

Council:

Jamie Hampton
Marianne Taylor
Francesca Thompson
Bill Niemi
Eric Roudabush

Parks and Recreation Department
Directors Report
September 15 – October 15

Parks

- **Nature Park Quarry has been stocked with fish from DNR on the following schedule;**
-May 8th stocked 30 pair of adult bluegill
-June 23rd stocked 500 2 inch largemouth bass and 500 3 inch channel catfish
-September 22nd stock an additional 140 eight inch channel catfish
- **We are hoping to meet with DNR in November to discuss long range plans for the Quarry**
- **Work is complete at the Elliott Concessions and Linn County has granted us occupancy. New block wall, new paint all over inside of facility (including floors), vent fans in restrooms, new hand wash sink/mop sink in concession area, and new shelving in garage. All in all looking good. Since it is late in the season we will plan to officially open in the Spring of 2015.**

Sports

- **Fall Flag Football concludes October 18th. Huge thank you to all the coaches, parents, and referees who helped make this season a success.**
- **Fall Soccer concludes October 21st...another huge thank you to all the coaches, parents, and referees who made this season a success.**
- **Adult Coed Vball and Girls Basketball registrations are coming along slowly.**

Pool

- **Pool Tech completed their analysis and provided a report...documents are included in Council packets for Oct 20 meeting.**
- **Council will tour the pool facility on Monday, October 20th at 6pm, just before the regular Council Meeting.**
- **Pool Manager, Katey Sanders will be presenting the end of the season report at Park and Rec Board on October 21st.**

Misc

- **Howl-O-Ween Dog Costume Event taking place Saturday, October 25th from 12-2pm. Partnering with Zoe's Pet Deli at First Street CC. This event is a fundraiser for the Nancy Doreen Huffman Dog Park.**



**Mount
Vernon**
IOWA

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Recommendations for Pool Renovations

The following are recommendations outside of the scope of the report produced by Pool Tech;

Bath House

-Plumbing in Bath House

- Currently one water line that contains water at one temperature. This temperature is the same for the showers, faucets, and drinking fountains.
- Drinking fountain in girls locker room is faulty...air is getting in the line.
 - Recommend new plumbing in Bath House

-Mop Board / Tile Bathhouse

- Many areas are warped, chipped, and the color has either faded or become tarnished.
 - Recommend replacing mop board and tile.

-Lockers in Men's and Women's restroom in Bath House

- Lockers are old and rusty. We have no way of using due to not having any keys to the lockers.
 - Recommend removing and replacing with new lockers.

-Showers in Men's and Women's Restrooms

- All shower fixtures except one in the Bath House are broke, including handicap shower stalls.
 - Recommend new shower fixtures.

-Outside women's restroom hand dryer is broke. Also door closure unit is broke.

- Recommend replacing both items.



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- Paint chipping
 - Paint on walls and ceiling is chipping
 - Ceiling is constructed of drywall. This is not recommended product with no climate control in building.
 - Recommend replacing ceiling with moisture resistant product and painting ceiling and areas where chipping occurs.

Mechanical Room

- Mechanical Room Roof
 - Need to add soffit and fascia to pool roof on mechanical room for protection from elements. These items are currently not present on the facility.
 - Recommend adding these items.
- North Side of Pool
 - Add trees for screening on the north side of the pool where arborvitaes died.

Wish List

- Aqua Climb....added feature like a climbing wall in the pool
- New umbrella for SW corner deck...there is currently no shade in that area of the pool
- New lifeguard chairs and new placement of the chairs for better lifeguard sight coverage
- Pool heater.....many requests for this from Swim Team, Swim Lessons, Water Aerbics, Lap Swim, and Open Swim/General Public.



Nobody does it better than Pool Tech.

319-365-8609 | fax 319-365-8568 | 1-800-677-7665
3233 First Av SE | Cedar Rapids, Iowa 52402

www.pooltech.com

October 9, 2014

City of Mt. Vernon
Matt Siders
213 First Street NW
Mount Vernon, Iowa 52314

Dear Matt:

This letter is in regard to the facility consultation that was completed by Dave Peters and Charlie Rochford from Pool Tech Midwest, Inc. and Lynn Boettcher of M2B Structural Engineers LLP on September 10, 2014. Recommendations for short-term and long-term needs to keep your facility in top shape are as follows.

Short-term needs:

There are 8 broken gutter grates. Most of these grates are located in non-traffic areas and are no longer made. Pool Tech Midwest, Inc. is looking for an alternative grate that would replace these grates.

The pool is in need of a new coat of paint. A new coat of paint will help protect the walls.

The zero entry circulation pump is in need of service. It needs a new mechanical shaft seal. The bolts that hold the motor to the volute are very rusty and may be problematic when removing them.

Check the fittings on the diving boards EVERY season. Make sure to keep the diving board centered when tightening it down.

Check the ladder treads on the pool ladders and guard chairs every season and during the pool season. You are looking to see if any are cracked or loose. Replacement treads are readily available and do not cost a lot.

Only 1 pool light works out of 4 in the deep end of the pool. The light on the east side of the deep end can not be replaced as the conduit for the power cord was damaged several years ago when the deck drains were put in.

The sand filters should be degreased at the end of each pool season. This helps remove body and suntan oils from the sand. The sand will last longer and filter the pool more effectively when it is not full of oil. There are products that do not cost a lot that can be purchased at the end of each season to clean the sand.

The pool chemistry controllers are ready to be replaced. These particular controllers are not made any more, and will have parts available for them only for a few more seasons.

A pressure test could not be completed on either of the recirculation systems. The deep end return piping is placed in the gutter system with many rubber couplings. If any of them leak, they only leak water back into the pool. The zero entry floor inlets would not accept a plug to complete pressure testing without extensive modifications to the return inlet. This would be a costly task to make this modification. Neither one of the return systems is a likely cause for any water loss. Any water loss is probably due to the expansion joints and evaporation.

Long-term needs:

There are two filtration systems on the pool. One is for the deep end and the other is for the zero entry. There are two steel high-rate sand filters in each of these zones. All four of the filters are showing their age. Since they are steel filters, they eventually rust out the bottom where the four legs support the filter and the support legs go into the filter. These filters are showing lots of rust on the outside and also inside the filter. This could happen tomorrow or in the next 3-5 years.

Pool Tech Midwest, Inc. would like to propose to the Iowa Department of Public Health to have the Mt. Vernon city pool go to only two high-rate sand filters and only one circulation pump. This new pump would draw from both of the surge tanks. These new filters would be fiberglass.

The anchor/slab for the low diving board is sinking. You may have a contractor see if it is possible to mud-jack the anchor back into position.

Overall, the facility is in really good shape for a pool that was built in 1961 (deep end) and 1991 (zero entry). The above mentioned items will help keep the pool facility in top shape and continue to be a great place for the community to enjoy for years to come. This is not to say that something could not break tomorrow that we did not see, but we wanted to give you a snapshot of what can be done short-term and long-term with your facility.

Pool Tech Midwest, Inc. appreciates the continued business with the City of Mt. Vernon and looks forward to working with you in the future. If you have any questions, please feel free to contact us at 365-8609.

Sincerely,



David Peters
Senior Territory Manager



Charlie Rochford
Vice-President

September 10, 2014

Mr. Dave Peters
Pool Tech Midwest, Inc.
3233 First Avenue SE
Cedar Rapids, Iowa 52402

Re: Mt. Vernon Swimming Pool
Mt. Vernon, Iowa

Dave

This letter is a follow-up to a visit I made with you 9-10-14. The purpose of the visit for me was to review the concrete portion of the pool. The following are my observations.

1. I did not see what I would consider a major structural failure, in that the walls are not falling over, there are no major concrete blowouts and the slabs are generally intact between control and construction joints, even though there are random cracking in the slabs. The concrete appears to be sound with no degrading into powder.
2. There is typically a very high water table in this area. This is good and bad in that this probably helps minimize the amount of water that leaks out of the pool but bad in contributing to the frost heave that I think is the major cause of the cracking in the slabs.
3. The waterstop/caulk at the construction joint at the north end of the deep end has failed. The caulk has pulled away from one side of the joint. This joint could be replaced with new slab strips and new water-stop and caulk joint. I think with the high water table and frost heave, this joint would fail sooner than expected. The fact that the pool is not an above average water loser, I don't see this as worth the money to fix it.
4. The random cracking in the slabs between the control and construction joints appear to be sealed when the coating is added to the slabs. Since the pool is an average water loser, this would seem to be enough to minimize leaking through these cracks.
5. There was a large spall that had been fixed on the north side of the pool. The fix seems to be holding. A smaller spall was starting on the north wall west of the fixed one, this should be patched prior to repainting the pool.
6. There was minor spalling and in one area looking like honeycombing on the bottom half of some of the walls. They appear to be water tight. No repair to these areas, other than repainting.

7. The slabs around the deep end of the pool have joints that no longer align. I would attribute that to frost heaving. I understand the this non-alignment is a violation of a code. The slabs could be leveled with mud jacking or removed and replaced.
8. The slab around the low diving board has settled where the original slab was cut to install the board. This area could be mud jacked or removed and replaced.

The concrete for the pool slabs and walls, even with some random cracking, appears to generally sound. The cracking and failed joint do not appear to contribute to major water leaking. I think that with continued painting and sealing, the pool would continue in service until the water loss through the cracks and joint became unacceptable. The slabs around the pool would need to be leveled to meet code requirements.

If I can be of any further assistance to you on this project, please give me a call.

Sincerely,



LYNN A BOETTCHER, PE
Iowa Reg. No. 7600