



July 3, 2019

Ms. Monica Tierney, Director of Parks and Recreation  
Lower Makefield Township  
1100 Edgewood Road  
Yardley PA 19067

RE: Safety Assessment of Municipal Pool

Dear Monica,

Pursuant to your request, what follows are recommendations resulting from our expedited risk management review of the Lower Makefield Township Municipal Pool conducted earlier today. At the time of the assessment, we were accompanied by Mr. Wes Sheffer, Pool Manager and Ms. Lynne Todd, Pool Operations Manager. I have compiled the recommendations using DVT's standard risk management recommendation format.

Over the course of the visit, in addition to visual inspection of the facilities, we also reviewed pool operation and emergency response procedures. Recommendations regarding these aspects have also been included below.

If you have any questions or additional needs, please contact me at 267-803-5713 or email [perndwein@dvtrusts.com](mailto:perndwein@dvtrusts.com). I am copying Kurt on this letter as per the established township communication protocol.

Sincerely,

Peter Erndwein  
Director of Risk Control

cc: Mr. Kurt Ferguson, Township Manager



**RECOMMENDATIONS  
POOL**

**Risk control recommendations:**

The risk control department recommends the following prioritization scheme for issued recommendations:

“Critical”	Requires immediate corrective action due to high likelihood of a loss
“A”	Address as soon as practical
“B”	Address within six months
“C”	Address within 12 months/long term planning consideration
“M”	Maintenance concern

Recommendations are issued in the following format:

A Priority	B Priority	C Priority	Maintenance
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Rec. No.: 19-07-1	Priority: B	Pool – Sun Umbrellas
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If it is decided to continue to supply sun umbrellas for pool guests, it is recommended that Lower Makefield consider upgrading all umbrella bases to 70 lb. commercial type with dual screw fasteners. The tightness of the fasteners should regularly be checked by the pool staff to ensure the umbrellas remain secure. A monthly inspection interval is recommended.

Example:



**70 Lb. 2 Pc. Resin Coated Weighted Umbrella Base.**

(0) Reviews: Write first review

Description: 70 Lbs. Packed (1) 2 pc. base 20" round x 12" high. Surface mounting holes included. Two locking thumbscrews. Recommended for freestanding umbrellas. Available in white,...[More Details](#) »

SKU: Item #: FF WMB  
Condition: New

Source:

<https://www.nationaloutdoorfurniture.com/c-1322177-umbrellas-bases-umbrella-bases.html>

Status: New Recommendation for 2019.


Rec. No.: 19-07-2	Priority: A	Pool – Near Miss/Hit Reporting Process
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It is recommended that Lower Makefield implement an ongoing near miss/hit reporting process. All pool staff should be instructed to report any situation which could have resulted in a loss. Such situations should be appropriately investigated and the results of the investigation and any recommended corrective actions documented for review by management.

Status: New recommendation for 2019.

Rec. No.: 19-07-3	Priority: C	Pool – Formalized Work Order Process
It is recommended that Lower Makefield implement a formal work request process. The process might involve a simple email sent to a shared email account describing what work is required. The request could be routed to the appropriate maintenance personnel who could then mark what action was taken on the email. Finally, the completed work request could then be archived as a record of the corrective action.		
Status: New recommendation for 2019.		

Rec. No.: 19-07-4	Priority: B	Pool – Expanded Pre-Opening Inspection Checklist
It is recommended that Lower Makefield expand its existing pre-opening inspection checklist to include a visual inspection of all guest areas. Include visual checks to confirm the integrity of sun umbrellas and their weighted bases.		
Status: New recommendation for 2019.		

Rec. No.: 19-07-5	Priority: B	Pool – “No Diving” Pictograms
In conformance with the International Pool and Spa Code, it is recommended that Lower Makefield apply “No Diving” pictograms and depth markers as follows:		
<p><i>409.3 No diving symbol.</i>  <i>Where the pool depth is 5 feet or less, the “No Diving” symbol shall be displayed. The symbol shall be placed on the deck at intervals of not greater than 25 feet and directly adjacent to a depth marker. Additional signage shall be in accordance with NEMA Z535.</i></p>		
<p>Source:  <a href="https://codes.iccsafe.org/content/ISPSC2018/chapter-4-public-swimming-pools">https://codes.iccsafe.org/content/ISPSC2018/chapter-4-public-swimming-pools</a></p>		
		



Source:

[https://www.compliancesigns.com/NHE-15410.shtml?gs=12&msclkid=6d42fd57cfe81839e9efa04b33c3b2bf&utm\\_source=bing&utm\\_medium=cpc&utm\\_campaign=SSS%20-%20DESKTOP%20ONLY%2020180222&utm\\_term=1100200001281&utm\\_content=SSS%20-%20All%20Products%20Created%2020150511](https://www.compliancesigns.com/NHE-15410.shtml?gs=12&msclkid=6d42fd57cfe81839e9efa04b33c3b2bf&utm_source=bing&utm_medium=cpc&utm_campaign=SSS%20-%20DESKTOP%20ONLY%2020180222&utm_term=1100200001281&utm_content=SSS%20-%20All%20Products%20Created%2020150511)

Status: New recommendation for 2019.

Rec. No.: 19-07-6	Priority: C	Pool - Light Posts
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The square tube steel light posts are known to crack at their base welds. To reduce the risk of a premature failure, it is recommended that all bases be visually inspected at least annually by maintenance staff and any light posts showing significant corrosion removed from service. In some cases, the bases are hidden by collars and seating features. These visual obstructions will need to be removed in order to properly inspect the base welds.



Status: New recommendation for 2019.


Rec. No.: 19-07-7	Priority: A	Pool – Competition Pool
<p>It is recommended that Lower Makefield:</p> <ul style="list-style-type: none"> <li>• Relocate the competition clock away from the pool edge.</li> <li>• Replace the electric cord on the clock (electrical tape repairs are not permitted in commercial applications).</li> <li>• Ensure all outdoor electrical equipment is plugged into outlets featuring ground fault circuit protection to reduce the risk of an electric shock incident.</li> </ul>		
<p>Status: New recommendation for 2019.</p>		





Rec. No.: 19-07-8	Priority: B	Pool – Water Slide
<p>It is recommended that Lower Makefield replace the damaged sections of anti-slip tape on the steps for the water slide.</p>		
<p>Status: New recommendation for 2019.</p>		







Rec. No.: 19-07-9	Priority: M	Pool – Water Slide
<p>The paint is coming up on the steps near the water slide. It is recommended that Lower Makefield recoat this area at the end of the season.</p>		
		
<p>Status: New recommendation for 2019.</p>		


Rec. No.: 19-07-10	Priority: A	Pool – Water Slide
<p>A maintenance grate was propped open at the base of the water slide. It is recommended that Lower Makefield ensure all maintenance grates be replaced when work is completed.</p>		
		
<p>Status: New recommendation for 2019.</p>		

Rec. No.: 19-07-11	Priority: A	Pool – Furniture/Equipment
<p>It is recommended that Lower Makefield educate the pool staff to remove damaged furniture/equipment from service. A damaged table was observed to still be in service.</p>		
		
<p>Status: New recommendation for 2019.</p>		


Rec. No.: 19-07-12	Priority: M	Pool – Sidewalk Adjacent to Kiddie Pool
<p>It is recommended that Lower Makefield repair the concrete sidewalk deterioration in the vicinity of the kiddie pool to eliminate the potential foot laceration hazard.</p>		
		
<p>Status: New recommendation for 2019.</p>		




Rec. No.: 19-07-13	Priority: B	Pool – Kiddie Pool Perimeter Fence
It is recommended that Lower Makefield chain closed the unsecured gate leading from the kiddie pool area to the picnic pavilion area.		
		
Status: New recommendation for 2019.		

Rec. No.: 19-07-14	Priority: M	Pool – Picnic Pavilion
It is recommended that Lower Makefield repair the damaged brick mortar to eliminate the potential foot laceration hazard.		
		
Status: New recommendation for 2019.		



Rec. No.: 19-07-15	Priority: A	Pool – Men’s Restroom
<p>It is recommended that Lower Makefield not utilize improvised door stops. These create a potential trip and fall exposure. Rubber wedge door stops are recommended.</p>		
		
<p>Status: New recommendation for 2019.</p>		

Rec. No.: 19-07-16	Priority: A	Pool – Perimeter Fencing
<p>The two perimeter fence gates adjacent to the snack shack were unsecured. It is recommended that Lower Makefield secure these gates to prevent unauthorized access into the pool facility.</p>		
		
<p>Status: New recommendation for 2019.</p>		