

**Bunkers, continued from page 5**

- Install polyurethane using various drum pumps
- Install new sand
- Spread new sand and open bunker to play.

The project was completed in nine working days with two days lost to weather and sand shipping delays. Disruption to play and the golf course was minimal. The general membership was amazed at the speed and efficiency of the operation. They even like the new sand!

The greens committee helped solve the number one concern at Mount Vernon Country Club and is focusing on other golf course issues. The Board of Directors enjoyed the fact that the project was completed ahead of schedule and \$14K under budget. As for me, life is just a little easier. The maintenance of the bunkers has been reduced 75%. We have had minimal erosion of sand in the bunkers, even on the steeply faced slopes. The polyurethane has prevented any soil contamination in the sand. We can leaf rake the bunkers to create a good playing surface. The bunkers can be skipped and still provide good playing qualities. The crew is happy, the members are happy, and I am happy!

There are several keys to successfully applying the polyurethane to the bunker cavity. Foremost, the soil in the cavity needs to be a dry as possible, and the surface of the cavity has to be conditioned to absorb the polyurethane. If the soil is too wet, you will not get penetration (the old oil and water don't mix theory) The polyurethane should be warm when applied because of viscosity concerns. Use multiple pumps to speed the rate of application. We also used

a drum transfer pump and it worked better than the Chapin pump mentioned above. Wear old shoes and a tyvek suit when applying the product. (Shoes absorb the material and become ruined) Finally, use plenty of pump flush to clean your pumps after application. This will prolong the use of your pumps.

If you have any questions about the project, or the ongoing analysis of the polyurethane, please feel free to contact me at any time.

**2000 MAAGCS Calendar**

December 2	Martin's West/Baltimore, MD MAAGCS Holiday Dinner Dance
December 12	Sheraton Columbia Hotel GCSAA Educational Seminar "Enhancing the Image of the Golf Course Superintendent"
December 12	Sheraton Columbia Hotel Annual Meeting & Elections
December 13	Sheraton Columbia Hotel GCSAA Educational Seminar "Bentgrass Management and Rootzone Maintenance"



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