



CWS Commercial Case Study

Spring Valley YMCA

Effects and Statistics





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Cost/Systems Benefits of PoolMoss®

This report provides data compiled by the Spring Valley YMCA (Limerick, PA), and Main Line Commercial Pools (King of Prussia, PA). Main Line is highly regarded commercial pool builder, service provider, and Creative Water Solutions dealer.

The Spring Valley YMCA had PoolMoss® and SpaMoss® installed in their systems during June 2012, and began to achieve significant benefits almost immediately. Their success clearly illustrates the potential for cost, performance, and efficiency benefits in any number of situations.

Information was independently collected, recorded, and measured by Steve Waldman of Spring Valley YMCA, and Gary Grimes of Main Line Commercial Pools.

Findings

Pre-Moss

Pool	Flow Rate	Backwash Frequency	Chlorine Level
Lap (120,000 gal)	400/gpm	Once/per Week	2.3 - 2.6/ppm
Family (54,000 gal)	380/gpm	Three Times/per Week	2.3 - 2.6/ppm

Pool	Flow Rate	Backwash Frequency	Drain/Fill	Chlorine Level
Spa (3,600 gal)	100/gpm	Once/per Week	Every Week	2.3 - 2.6/ppm

- Total Chlorine Usage = **720** gallons @ \$2.43/per gallon.
- Total Chlorine Usage = **\$1,849.60**/per month.

Post-Moss

Pool	Flow Rate	Backwash Frequency	Chlorine Level
Lap (120,000 gal)	400/gpm	Once/per Two Weeks	1.4 - 1.6/ppm
Family (54,000 gal)	380/gpm	Once/per Week	1.4 - 1.6/ppm

Pool	Flow Rate	Backwash Frequency	Drain/Fill	Chlorine Level
Spa (3,600 gal)	100/gpm	Once/per Week	Every 3 - 4 Weeks	1.4 - 1.6/ppm

- Total Chlorine Usage = **350** gallons @ \$2.43/per gallon.
- Total Chlorine Usage = **\$874.80**/per month.
- PoolMoss[®]/SpaMoss[®] = **\$750.52**/per month.

YMCA Savings

Water Savings (\$82.80 per Month)

Pool	Water Savings (per/Mo)	Cost	Total Cost Savings (per/Mo)
Lap	1,000 gallons	.006/per gallon	\$6.00
Family	2,000 gallons	.006/per gallon	\$12.00
Spa	10,800 gallons	.006/per gallon	\$64.80

Sewer Savings (\$82.80 per Month)

Pool	Water Savings (per/Mo)	Cost	Total Cost Savings (per/Mo)
Lap	1,000 gallons	.006/per gallon	\$6.00
Family	2,000 gallons	.006/per gallon	\$12.00
Spa	10,800 gallons	.006/per gallon	\$64.80

Chlorine Savings (\$899.10 per Month)

Pool	Chlorine Savings (per/Mo)	Cost	Total Cost Savings (per/Mo)
Lap	249.50 gallons	\$2.43/per gallon	\$606.29
Family	111 gallons	\$2.43/per gallon	\$269.73
Spa	9.5 gallons	\$2.43/per gallon	\$23.08

Energy Savings (\$42.12 per Month)

Pool	Water Savings (per/Mo)	Cost to Heat	Total Cost Savings (per/Mo)
Lap	1,000 gallons	1.22 per/therm	\$3.05
Family	2,000 gallons	1.22 per/therm	\$6.10
Spa	10,800 gallons	1.22 per/therm	\$32.97

Labor Savings (\$234.00 per Month)

Type	Unit	Cost	Total Cost Savings (per/Mo)
Service	12 Hours (Time + 1/2)	\$13.00/per hour	\$234.00

Facility Savings **1,340.82 per Month**

Cost of PoolMoss® **750.52 per Month**

Monthly Savings \$590.30

Annual Savings \$7,083.60

KEY BENEFITS and EFFECTS

- **NO CHLORAMINES** (0.0 ppm)
- **NO ODOR** in Natatorium
- **NO SCUM LINE** on ANY POOL
- **CRYSTAL CLEAR WATER**
- **“SILKY” FEEL TO WATER**
- **MUCH EASIER CLEANING**
- Continually **REDUCED OVERTIME** for Pool Operations
- BECS Controllers **MORE EFFICIENT**
(Less Cleaning of Probes and Screens)
- **PUMPS NOT RUNNING AS HARD**
(Longer Impeller Life)

Summary

The exciting effects and savings benefits being experienced by the Spring Valley YMCA are emblematic of those being enjoyed by thousands of Creative Water Solutions customers. Among other robust advantages, the unique power of Sphagnum moss helps commercial and residential pool and spa owners reduce chemical usage, scaling and corrosion, and energy costs, while generating remarkably clear and comfortable air and water quality.

Creative Water Solutions

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