



SWIMMING POOLS

Lyle Hallman Swimming Pool Case Study **Kitchener, Ontario, Canada**

At Lyle Hallman indoor pool, *HydroFLOW®* reduced daily chlorine use by 51%. Shock treatments stopped while chloramines remained low, and staff reported clearer water and less odour.

51%

Less Chlorine Used

0

Chlorine Shock Treatments

\$8.3k

Calculated Annual Savings

20+ mos

Calculated Payback

BEFORE & AFTER

BEFORE

- High chlorine demand at a busy indoor pool
- Chlorine shock treatments were used
- Staff noticed a strong chlorine smell

AFTER

- ✓ Daily chlorine use decreased by 51%
- ✓ No shock needed; chloramines stayed low
- ✓ Staff noticed clearer water and less odour

OVERVIEW

Owned and operated by the City of Kitchener, Lyle Hallman is a 25-metre indoor swimming pool in Ontario, Canada. With approximately 300–500 swimmers each day, maintaining pool water quality required substantial chemical treatment.

CHALLENGE

The busy indoor pool needed to maintain water quality while reducing chemical demand.

- High daily swimmer numbers increased chemical requirements.
- Chlorine shock treatments added to chemical use.
- Pool staff reported a noticeable chlorine smell.

SOLUTION

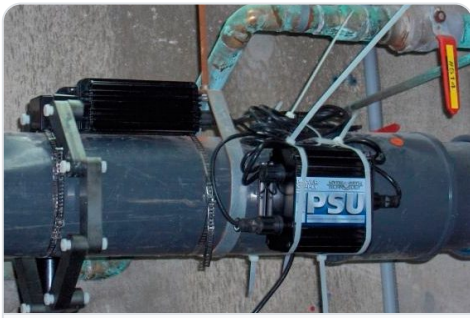
HydroFLOW® unit was installed on the pool circulation system. Chlorine use and water quality were monitored to assess changes in chemical demand.

UNIT INSTALLED

1 × *HydroFLOW®* P160

POOL TYPE

25-metre indoor pool



INSTALLATION

HydroFLOW® P160 fitted to pool pipework



SITE

Lyle Hallman indoor swimming pool



RESULTS

📉 51% Less Chlorine

Daily chlorine readings showed a 51% reduction during monitoring.

🚫 Shock Treatments Stopped

No chlorine shock was needed while chloramine levels remained low.

💧 Clearer Pool Water

Pool employees noticed improved water clarity.

🌿 Less Chlorine Odour

Staff reported a significant reduction in chlorine smell.

💰 \$8,300 Calculated Annual Savings

Estimated annual savings combined lower chlorine use and discontinued shock treatments.

🕒 Payback Just Over 20 Months

The report calculated 59.4% annual ROI and payback just over 20 months.

KEY TAKEAWAY

Summary

At Lyle Hallman pool, HydroFLOW® reduced chlorine use by 51% while shock treatments stopped and chloramines remained low. Staff noticed clearer water and less odour. Calculated savings were \$8,300 annually, with payback just over 20 months.

51%

LESS CHLORINE USED

0

SHOCK TREATMENTS

\$8.3k

CALCULATED ANNUAL SAVINGS

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