



CAR WASH

Car Wash Water Reuse Success Story Palm Springs, California

HydroFLOW® enabled improved spray performance, reduced foul odours and supported 60% reclaimed water reuse

60%

Water Reclamation

20 days

Odour Reduction

1 yr

Estimated Payback

6 mo

Stable Spray Performance

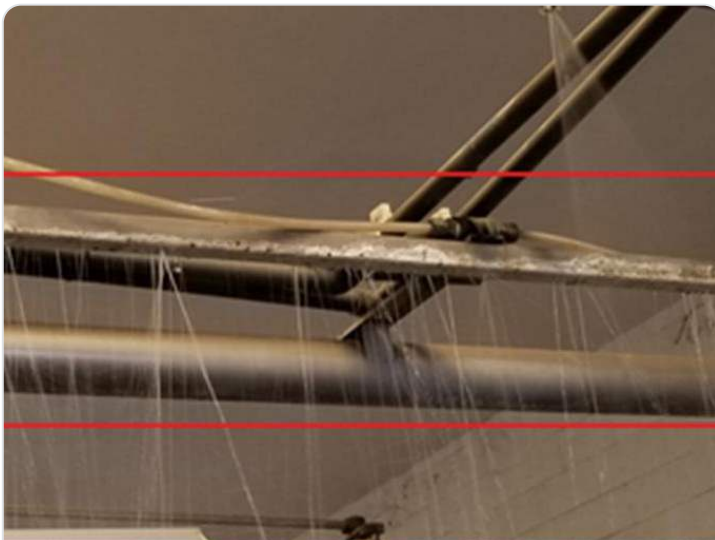
BEFORE & AFTER

BEFORE

- ✗ Spray nozzles clogged with scale
- ✗ Reclaimed water produced foul smells
- ✗ Uneven water distribution on rinse bars

AFTER

- ✓ Spray nozzles operating properly
- ✓ Reclaimed water odour reduced
- ✓ Improved spot-free rinse performance



BEFORE

Uneven spray distribution



AFTER

Restored spray coverage

OVERVIEW

An American Car Wash in Palm Springs, California needed to restore its ageing plumbing and reclaimed water systems. Hard water scale was plugging spray bar orifices and reducing water distribution efficiency, while biological buildup in the reclaimed water system created foul odours. The environmentally conscious owners wanted a green water treatment solution that could reduce scale and biofilm without chemicals while improving reclaimed water quality and reducing maintenance.

CHALLENGE

Scale buildup and biological buildup were reducing spray performance and reclaimed water quality.

- Spray bars clogged with hard water scale
- Foul odours from reclaimed water
- Uneven spray distribution affected rinsing
- Frequent nozzle maintenance required

SOLUTION

HydroFLOW® i60 and HS40 units were installed on the reclaimed water system and final rinse stage to reduce scale buildup and improve reclaimed water performance.

UNITS INSTALLED

1x HydroFLOW® i60 and 1x HydroFLOW® HS40

INSTALLATION POINTS

Reclaimed water system and final rinse stage

APPLICATION

Full-service car wash facility

UPDATED REPORT

13 May 2019

RESULTS

60% Water Reclaimed

Up to 60% of wash water was reclaimed for reuse

Odours Reduced

Reclaimed water odours were significantly reduced within 20 days

Spray Performance Restored

Previously restricted spray nozzles returned to normal operation

Spot-Free Rinse Performance

Mineral spotting on vehicles was significantly reduced

Maintenance Costs Reduced

Reduced scale buildup lowered servicing and maintenance requirements

Chemical-Free Operation

Scale and biofilm issues were managed without chemical dosing

TESTIMONIAL

"The water is now spot-free, reclaimed water odours were greatly reduced and our valves and tubes no longer suffer from heavy mineral buildup. The best part is that the payback is only one year."

— David Kartal, Owner/Operator

KEY TAKEAWAY

Summary

Hydropath treatment helped An American Car Wash improve spray performance, reclaim up to 60% of wash water and reduce reclaimed water odours from its recycling system. Within 20 days reclaimed water odours were significantly reduced, while restricted spray bars returned to normal operation after six months. The installation reduced maintenance requirements, improved spot-free rinsing and supported an estimated one-year payback without chemical dosing.

60%

WATER RECLAMATION

20 days

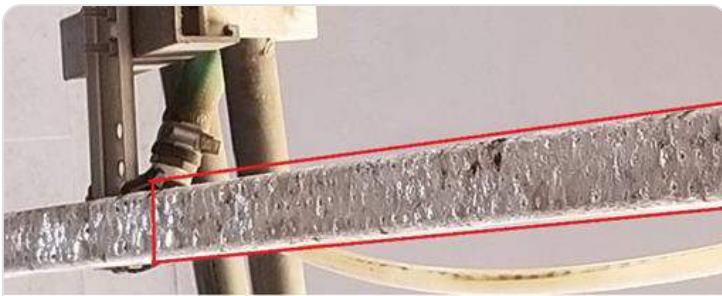
ODOUR REDUCTION

1 yr

ESTIMATED PAYBACK



ADDITIONAL PHOTO EVIDENCE



BEFORE

Scale buildup on spray bar



AFTER

Restored spray coverage

HYDROPATH

The Forefront of Sustainable Water Treatment

Hydropath Technology is a world leader in sustainable water treatment solutions, providing chemical-free alternatives for industrial and commercial applications across more than 50 countries.

50+

COUNTRIES

30+

YEARS EXPERIENCE

1M+

UNITS INSTALLED

HYDROPATH

Ready to reduce scale and water waste?

Get a free consultation for your vehicle wash facility.

✉ sales@hydropath.com ☎ +44 (0)115 986 9966 🌐 hydropath.com

✓ ISO 14001:2015

✓ ISO 9001:2015

✓ GREENPRO

✓ SOLAR IMPULSE