

Run-off rates Average of 20 cars washed per day

High pressure washer:

Maximum flow rate for industrial hand held pressure washer:

21 litres per minute

Run-off rate = $21/60 = 0.35$ litres per second

Hand washed vehicles:

Typical 4.54 litre (5 gallon) bucket 5 buckets per vehicle = 22.7 litres (10-minute car wash)

Run-off rate = $22.7 / (10 \times 60) = 0.38$ litres per second.

- All detergents are non-toxic and are sourced from <http://www.gtdetergents.co.uk> these are non-toxic, phosphate-free and non-flammable.
- All clean surface water from the canopy and dirty car wash surface water is proposed to discharge to the public 225mm combined sewer at a proposed discharge rate of less than 1litre/second
- For the use or reuse of sewer connections either direct or indirect to the public sewerage system the client will be required to make a formal application to United Utilities under Section 106 of the Water Industry Act 1991.
- The client will obtain copies of the current guidance notes and application form from <https://www.unitedutilities.com/wholesale-services/trade-effluent/discharge-trade-effluent/>