

Tarmac Trading Limited, Hendre Quarry
Abstraction Licence (Variation) – Licence No. 24/67/8/0047/V006

Supporting information – Proposal Summary. Water use calculations.

TTL Hendre (North Wales). Abstraction Licence volumes.				
Water use	Number	Volume	Units	Daily volume (m3)
Bowser	14	9	m3	126
Wheel wash	4	9	m3	36
Sprinkler system ⁺	10	0.3	l/s*	43.2
*volume based on sprinklers running 20mins/hour for 12 hours/day				
+assumed number of sprinklers based on an expanded system expected for the site.				
			Daily total:	205.2
Applied for volumes (maintaining current no. of days abstraction)				
daily (m3)		205		
annual (m3)		58687		

The above figures have been provided by Tarmac as representative of water use requirements at Hendre Quarry. The bowser figures are based on the number of uses per day and the bowser volume (9m3). The wheel wash is operated from a storage tank which needs to be topped up from the bowser. Tarmac advise this is required 4 times per day. For the sprinkler system, this is estimated at a rate of 0.3l/s per head and operated for a period of 20 mins/hour over the site operation period (12 hours).

The above figures come to a daily total of 205m3. The current licence allows abstraction for the operational days specified under the planning permission for the site, over the calendar year (286 days – 5.5 days/week). Maintaining this for the licence variation results in a reduced annual total of 58,687m3/annum.