

Application for approval of details reserved by condition

Planning application reference: 20/500346/FULL

Additional information for Section 6 of attached form (Discharge of Conditions)

Condition 2 relating to the drainage of the pool

As background, the swimming pool water is sanitised using a low salt electrolysis system. This differs from a conventional chlorinated pool in that chlorine levels are maintained at a much steadier (and low) level of around 1ppm and as there are no chlorine stabilisers in the water, any free chlorine in the water breaks down very quickly on exposure to UV (sunlight) or organic material. The salt levels in the pool are maintained at 2ppm which is the same as that found in conventional domestic softened water.

As such, the water from the pool presents a much lower hazard to the environment than a conventional chlorinated pool.

There are two main scenarios by which water requires discharge from the pool;

1. Routine maintenance and backwashing of the filter. Instead of using a sand filter, we have used an OC-1 media which is a more environmentally friendly option as the operating pressures are lower than sand (thereby reducing electricity usage) and as the filter capacity is much higher than sand, then the requirement to backwash is much less. We anticipate that backwashing will only be necessary once per month during the swimming season and a maximum of 200L of water will be released. This water is sent to a holding tank with a capacity of 450L. When that is full the contents are pumped onto our field where it can water our trees.
2. In the event that the pool requires full or partial emptying for maintenance purposes then this will not be done until the chlorine levels have fallen to zero. As there is no chlorine stabiliser present in the water, then this degradation of the chlorine will take a matter of hours in full sunlight once the electrolysis device has been turned off. Once the chlorine levels have dropped to being undetectable then the pool contents will be sprayed onto our field.

Condition 3 relating to the planting to the edge of the pond adjacent to the pool.

The pool is located approximately 1m from the western edge of the pond. The pond is approximately 0.75m lower than the ground at this point and banks steeply from the lawn down to the pond. As can be seen from the photograph below (taken late last summer during construction) we have simply returned that verge back to the state in which it was prior to the construction of the pool. We will simply allow whatever reeds or other marginals wish to grow on that bank, to do so. There will be no planting necessary as there was no disturbance of the pond bank during construction.

Next summer, the vegetation will be allowed to grow back naturally and only the lawn immediately adjacent the pool will be cut. This is precisely as it was prior to the pool being installed.



If any further information is required please contact Anton de Paiva (the applicant and home owner).

Anton de Paiva

