

## ATTACHMENT E1 – EMISSIONS TO SURFACE WATER

The nearest watercourse to the application site is the Cookstown River, which is a tributary of the River Dargle, and located within the Eastern Liffey River Basin District. The Cookstown River runs along and beyond the southern boundary of the Applicant's landholding and at a ground level (40mOD) approximately 45m-50m below that across the proposed waste recovery facility (85mOD to 90mOD).

Currently, rainfall across the application site either percolates downwards through the unsealed ground to the underlying groundwater aquifer or runs over the ground surface to the two existing surface ponds in the bottom of the worked out quarry.

There is no site drainage infrastructure to collect and/or remove surface water run-off at the recovery facility other than that provided for the concrete slab at the waste inspection and quarantine facility. Waste inspection and quarantine facilities are located within a portal frame structure constructed over the concrete slab. As incipient rainfall will not come into contact with consignments of suspected contaminated waste stored at the covered shed, there is no requirement to install any drainage infrastructure to provide for collection and storage of potentially contaminated surface water run-off.

No emissions to watercourses or ponds beyond the boundary of the application site will take place during the quarry restoration works or over the operational life of the construction and demolition waste recovery facility.

All existing surface water ponds within the application site and within the Applicant's wider landholding occur within closed depressions and are considered to be perched groundwater features. Meteoric water falling over existing and/or future landforms at the application site will either run over the surface to these perched groundwater features or will percolate through backfilled and/or natural soil to the underlying groundwater table.

Further details of surface water management at the waste recycling facility are provided in Section 2.2.9 of the Environmental Impact Statement which accompanies this application.

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