

ATTACHMENT 11 – ASSESSMENT OF IMPACT ON RECEIVING 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).

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

No emissions to watercourses or ponds beyond the boundary of the application site will take place over the operational life of the proposed waste recovery facility.

Details of the existing surface water environment and the impact of the proposed waste recovery facility and associated emissions thereon are provided in Section 6 of the Environmental Impact Statement.

The existing / proposed monitoring regime at surface water bodies is outlined in Section 2.6.10 of the Environmental Impact Statement.

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ATTACHMENT I2 – ASSESSMENT OF WASTE WATER DISCHARGE

There are no emissions to public (Local Authority) sewers associated with the operation of the proposed waste recovery facility. Roadstone Dublin Ltd. has three existing waste water effluent (septic) tanks at its existing landholding at Fassaroe, all of which are located within the application site. These septic tanks serve the existing staff and truck driver canteens, which will be used by personnel working at the waste recovery facility. The use of the existing facilities by a small number of additional personnel will have negligible incremental impact on soil or groundwater quality.

No other emissions to wastewater sewers will arise as a result of the proposed waste recovery activities.

Details of the proposed sewerage and surface water management system at the application site are provided in Section 2.2.9 of the Environmental Impact Statement. An assessment of the impact of waste recovery activities on surface water and groundwater is provided in Section 6 of the Environmental Impact Statement.

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ATTACHMENT I3 – ASSESSMENT OF IMPACT ON GROUND / GROUNDWATER

A ground investigation was completed at the application site in December 2008 to investigate the nature of the inert fill materials and the surrounding ground and groundwater conditions. The available ground investigation information indicates that the general subsoil profile across the application site comprises varying depths of Made Ground overlying sand and silty clay. Further details of the existing soil and subsoil environment are provided in Section 5 of the Environmental Impact Statement. The details of the site investigation are reported in the Ground Investigation Report reproduced in Appendix 5.1 of the Environmental Impact Statement.

Available groundwater test data indicates that there is no contamination of existing groundwater beneath the application site, nor any disparity between the groundwater quality of samples recovered at upgradient and downgradient of the site. This suggests that historical activities at the Fassaroe site have had no adverse impact on groundwater quality.

Backfilling and restoration of the former gravel quarry at Fassaroe entails placement and backfilling using only inert soil and stones and minor quantities of inert secondary aggregate. The C&D wastes recovered (processed) on hardstanding surfaces at the facility are also inert. As such, no soil or groundwater contamination will arise from percolation of rainfall through the backfilled ground or existing hardstanding surfaces.

Details of the existing groundwater environment and the impact of the proposed waste recovery facility and associated emissions thereon are provided in Section 6 of the Environmental Impact Statement.

The proposed groundwater monitoring regime is outlined in Section 2.6.4 of the Environmental Impact Statement.

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ATTACHMENT I4 – NOISE IMPACT

Details of the existing noise environment and the noise impacts of the proposed restoration scheme are provided in Section 8 of the Environmental Impact Statement.

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ATTACHMENT I5 – ASSESSMENT OF ECOLOGICAL IMPACT AND MITIGATION MEASURES

Details of the existing ecological environment and the impact of the proposed restoration scheme and associated emissions thereon are provided in Section 4 of the Environmental Impact Statement.

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