

ATTACHMENT I5 – GROUND / GROUNDWATER CONTAMINATION

The bedrocks underlying the application site at Calary Quarry generally have very low permeability and are categorised as Poor Aquifers (PI) by the Geological Survey of Ireland. These are bedrocks which are generally unproductive except in local (fractured) zones. Maps published by the EPA indicate that the site is located in an area with high to extreme groundwater vulnerability status. This reflects the potential for rapid groundwater movement through thin (or non-existent) soil cover into the underlying (poor) bedrock aquifer.

The previous operation of a quarry at the application site did not result in the discharge of any listed dangerous substances to ground and/or groundwater. Previous sampling and testing of groundwater from monitoring wells at Calary Quarry indicates that groundwater quality at the application site is generally good and that the former quarry operations had no significant impact on local ground and/or groundwater quality. As such, no provision is required (or made) as part of the overall development proposal for remediation works in respect of ground and/or groundwater at the application site.

Details of the existing (baseline) ground / groundwater environment are provided in Chapters 5 and 6 of the Environmental Impact Statement which accompanies this waste licence application.

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