



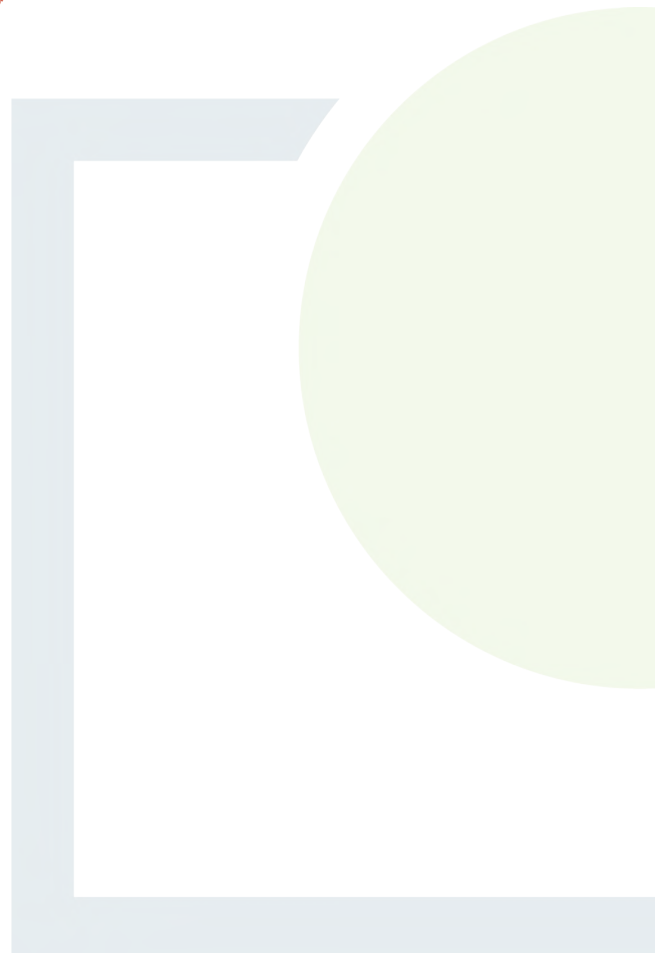
**FEHILY
TIMONEY**
— 30 YEARS —

CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE & PLANNING

APPENDIX 1

Finding of No Significant Effects Report

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Finding of No Significant Effects Report

<p><i>Name and location of the Natura 2000 (European) sites</i></p>	<p>There are zero European sites within the potential zone of influence (15km radius), and six outside this zone which are hydrologically connected. These sites are:</p> <ul style="list-style-type: none"> • Slieve Beagh SPA (site code 004167) – Remote indirect link; both the SPA and proposed development site feed into tributaries of the Cor River. • Slieve Beagh – Mullaghfad – Lisnaskea SPA (site code UK9020302) – Remote indirect link; both the SPA and proposed development site feed into tributaries of the Cor River. • Slieve Beagh SAC (site code: UK0016622) – Remote indirect link; both the SAC and proposed development site feed into tributaries of the Cor River. • Lough Neagh and Lough Beg SPA (site code: UK9020091) – Remote direct remote link; the SPA is ca. 42km downstream (direct-line distance) of the proposed development (Blackwater River). • Dundalk Bay SAC (Site code: 000455) – Remote direct remote link; the SAC is ca. 39km downstream (direct-line distance) of the proposed development (River Fane). • Dundalk Bay SPA (site code: 004026) – Remote direct remote link; the SPA is ca. 38km downstream (direct-line distance) of the proposed development (River Fane).
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<p><i>Description of the project or plan</i></p>	<p>Proposed works for the historic landfill are in keeping with the remedial action plan laid out in the Tier 3 Report (Appendix 2) and more information can also be found below in Section 3.1-3.10. The proposed works are comprised the following elements:</p> <ul style="list-style-type: none"> • Landfill Capping • Leachate Interception Trench – Northern Boundary • Lined Surface Water Drains • Removal of Existing Infrastructure • Active Gas Abstraction to Existing LFG Flare • Active Gas Abstraction to Bio Oxidation • Passive Ventilation • Landfill Gas Interception Trench <p>As part of the remediation of the historic landfill, environmental monitoring will continue at all existing monitoring locations (for groundwater quality, surface water and landfill gas migration), undertaken on a quarterly basis until the recommendations of the Certificate of Authorisation are known and remediation works are complete (see Section 3.9 below for more information).</p> <p>The Tier 3 Report sets out a proposed schedule and locations of environmental monitoring to assess the efficacy of the remediation works. The schedule of environmental monitoring includes:</p> <ul style="list-style-type: none"> • Leachate • Groundwater • Surface water • Landfill Gas
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	<p>It is proposed that leachate should be conducted annually at four proposed locations. It is proposed that all proposed and existing dual landfill gas/groundwater monitoring points should be monitored monthly. For more information regarding monitoring parameters see Appendix 3 and for the positioning of new monitoring locations and accompanying schedule details see Tier 3 Report, Appendix 2.</p> <p>The proposed remediation works will significantly reduce the generation of leachate via percolation of rainwater and subsequently the potential migration of leachate to surface water. The capping design will be consistent with the future uses of the site e.g. low intensity agricultural grazing purposes or the development of natural habitat area – wildflower/traditional meadow.</p> <p>The sub soil layer will be therefore be adequately specified to ensure it is free draining to support grazing with the top soil layer adequately specified to support growth.</p> <p>For more information regarding the proposed works see Tier 3 Risk Assessment Report, Appendix 2.</p> <p>Tier 1 and 2 reports indicate a hydrological link between the historic landfill and the River Fane (EPA code: 06F01³); via an adjacent licenced facility located ca. 268m northeast of the site. The Six Mile Lake Stream (EPA code: 03S03⁴) is located ca. 140m to the south of the proposed development; topography indicates that the site is likely to drain into the stream.</p>
<p><i>Is the Project or Plan directly connected with or necessary to the management of the site (provide details)?</i></p>	<p>No.</p>
<p><i>Are there other projects or plans that together with the project of plan being assessed could affect the site (provide details)?</i></p>	<p>No. A planning search was conducted on 6th March 2020. At present there is potentially a cumulative impact on the River Fane (EPA code: 06F01) via a hydrologically linked adjacent licensed facility.</p> <p>At present it is likely that the historic landfill site which is hydrologically connected to an adjacent licensed facility(which feeds into River Fane), is leaching runoff into the River Fane (EPA code: 06F01). As the historic landfill site is located ca. 38km from the nearest receiving European site, the impacts from any silt or pollutants (spills or leaks) will be not be significant owing to the large dilution factor. Once remediation works are carried out, any runoff/leachate produced in the historic landfill site will stay in the site, preventing what is at present, a potential cumulative impact on water quality of the River Fane (EPA code: 06F01).</p> <p>There may be discharge into Six Mile Lake Stream (EPA code: 03S03) during remediation works but no leaching of existing surface water is thought to currently enter the stream. If the historic landfill site was remediated during the construction of the turkey rearing development, there may be the cumulative release of sediment. However, due to the nature</p>

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³ Water, River Network, EPA code, EPA Mapviewer (accessed November 2019): <https://gis.epa.ie/EPAMaps/>

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	<p>and scale of both developments and the distance to any European site, any discharge will be limited and insignificant.</p> <p>If the proposed turkey rearing development were operational during remediation works of the historic landfill, no in-combination impacts are expected. See Section 4.5 for more information.</p> <p>Once remediation works are carried out on the historic landfill there will be no potential for cumulative impacts to water quality.</p>
Assessment of Effects	
<p><i>Describe how the project or plan (alone or in combination) is likely to affect the Natura 2000 (European) site</i></p>	<p>Potential accidental pollutant or contaminant inputs resulting in downstream effects to the qualifying interests (habitats) and prey availability of special conservation interest of Slieve Beagh SPA, Slieve Beagh – Mullaghfad – Lisnaskea SPA, Slieve Beagh SAC, Lough Neagh and Lough Beg SPA, Dundalk Bay SAC, Dundalk Bay SPA.</p> <p>Disturbance of special qualifying interest Hen Harrier of Slieve Beagh SPA and Slieve Beagh – Mullaghfad – Lisnaskea SPA.</p> <p>Disturbance of special qualifying interests (general) of Lough Neagh and Lough Beg SPA and Dundalk Bay SPA.</p> <p>Increase in collision risk for special conservation interests Whooper Swan and Bewick’s Swan of Lough Neagh and Lough Beg SPA.</p>
<p><i>Explain why these effects are not considered significant</i></p>	<p>Small-scale accidental inputs of pollutants and/or contaminants as well as silt from remediation works have the potential to enter both the River Fane (EPA code: 06F01) and the Six Mile Lake stream (EPA code: 03S03). However, due to the minimum direct-line distance of a European site with a direct hydrological link being ca. 38km (Dundalk Bay SPA) and with an instream distance of ca. 50.6km, any discharge will be diluted by the time it enters a European site and no indirect impact due to emissions will occur on Lough Neagh and Lough Beg SPA, Dundalk Bay SAC, Dundalk Bay SPA.</p> <p>It should be noted that whilst there is an indirect hydrological link between Slieve Beagh SPA, Slieve Beagh – Mullaghfad – Lisnaskea SPA, Slieve Beagh SAC and the historic landfill site via the Cor River (EPA code: 03C50), while these European sites feed into the River Cor, due to topography they do not receive waters from the Cor River.</p> <p>There will be no disturbance of special qualifying interest Hen Harrier of Slieve Beagh SPA and Slieve Beagh – Mullaghfad – Lisnaskea SPA due to distance. The closest SPA is 21.7km from the historic landfill which is well outside the 10km range the species would forage during the breeding season (SNH, 2016).</p> <p>Due to distance any special conservation interests of the of Lough Neagh and Lough Beg SPA and Dundalk Bay SPA will not be impacted by remediation works at the historic landfill. Construction works will not cause significant disturbance of foraging transient birds from the SPA, as foraging habitat is common in the area and noise levels during construction works will not rise significantly.</p> <p>There will be no increased collision risk to special conservation interests Whooper Swan and Bewick’s Swan of Lough Neagh and Lough Beg SPA as powerlines do not form part of the remediation measures.</p>

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Data Collected to Carry out the Assessment			
<i>Who carried out the assessment</i>	<i>Sources of Data</i>	<i>Level of assessment completed</i>	<i>Where can the full results of the assessment be accessed and viewed</i>
This evaluation was completed by Fehily Timoney and Company	<ul style="list-style-type: none"> Information on the ROI designated nature conservation sites within 15km of the study area was obtained from the NPWS website and metadata available online from the NPWS mapping system (http://webgis.npws.ie/npwsviewer/). Information on the NI designated nature conservation sites outside 15km of the site were obtained from the Department of Agriculture, Environment and Rural Affairs (DoAE&RA: https://www.daera-ni.gov.uk/), Joint Nature Conservation Committee website (http://archive.jncc.gov.uk/) and European Environment Agency Natura 2000 Network Viewer (https://natura2000.eea.europa.eu/#) Information on the waterbody catchments in the development area was obtained from the Water Framework Directive Water Mapping Information System http://gis.epa.ie/Envision OSI Aerial photography and 1:50000 mapping. Monaghan Co. Council Planning Search http://www.eplanning.ie/MonaghanCC/searchtypes 	Appropriate Assessment Screening (Stage One)	Environmental Protection Agency