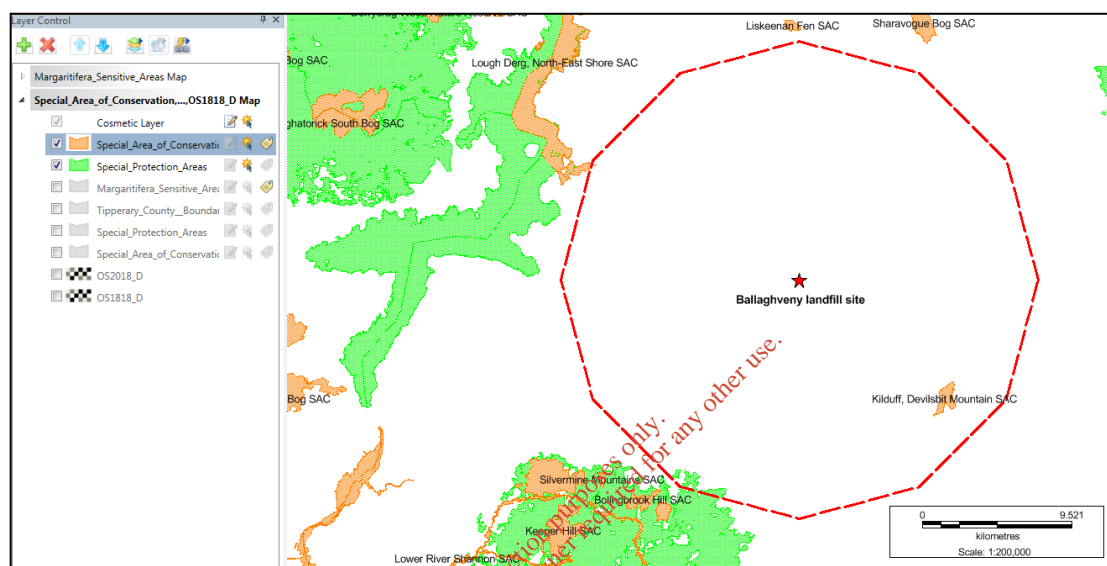


## Natura Impact Assessment (NIA) – Screening Report

Natura 2000 sites within impact zone (Distance 15km)	Designation Type	Site Name	Site Code	Distance to Applicant site
	SPA	Slievefelim to Silvermines	001179	15 km
	SAC	Lough Derg, NE Shore SAC	002241	15 km
	SAC	Kilduff, Devilsbit Mountain SAC	000934	10 km



<b>Development Type</b>	Change in leachate trigger level for height of leachate in cells at Ballaghveny Landfill
<b>Development Location</b>	Woodville, Ballaghveny, Nenagh, Co. Tipperary
<b>Waste Licence Number</b>	W0078-03
<b>Description of the project</b>	<p>Current licence condition 6.2.2 states “Leachate levels in the waste shall not exceed a level of 1m over the top of the liner at the base of the landfill”. This condition sets out the trigger level for height of leachate in landfill cells with an engineered liner. An exceedance of the 1m trigger level does not imply any emission of leachate to the environment. This condition encourages the pro-active management of leachate volumes through removal to offsite WWTPs. The 1m trigger level for height of leachate is not applied to unlined cells where there is no impermeable barrier between the waste and the surrounding environment; instead either no trigger level is used in these cells or a trigger level agreed through correspondence with the EPA Office of Environmental Enforcement (OEE) is used.</p> <p>It has been determined that the liner of two of the engineered cells (Cells 8 and 9) at Ballaghveny Landfill has been compromised and these cells are now effectively behaving as unlined cells. As a consequence Tipperary County Council put a trial leachate management program in place for these Cells in 2018, with the agreement of the EPA OEE to manage the leachate in an appropriate manner in order to prevent contamination of the surrounding groundwater with leachate. Tipperary County Council now request to amend Condition 6.2.2 to allow the OEE to agree alternative trigger levels for the compromised cells.</p>

<b>Consider the potential for direct impacts on habitats</b>		<b>Y/N and Comment</b>
<i>Consider proposed developments within 200m of the SAC</i>		
1.1	Could the proposed project give rise to direct loss of habitats for which the SAC is designated, or other habitats occurring within the SAC?	<b>No, the SAC &amp; SPA do not occur within 200m of Ballaghveny.</b>
1.2	Could the proposed project give rise to increased human usage/access to the site, which could potentially cause deterioration of certain habitat types eg woodlands, wetlands or riverbanks. Consider proposals for development of a large scale within 1km of sensitive woodlands eg large scale residential development or hotels. Consider proposals for the development of paths or cycleways along the river.	<b>No, the SAC &amp; SPA do not occur within 200m of Ballaghveny.</b>
1.3	Does the proposed project involve development of drainage systems? If yes, could this cause drying out of wetland or woodland habitats within the SAC?	<b>No, the SAC &amp; SPA do not occur within 200m of Ballaghveny.</b>
1.4	Could the proposed project impact on protected grassland habitats ( <i>Nardus</i> grassland, Anglesey Road SAC)?	<b>No, the SAC &amp; SPA do not occur within 200m of Ballaghveny.</b>
1.5	Could the proposed project result in the introduction of invasive alien species?	<b>No, the SAC &amp; SPA do not occur within 200m of Ballaghveny and no works are proposed to facilitate the sale of these lands.</b>

<b>Consider the potential for impacts on water quality within the SAC</b>		
<i>Consider all proposed developments within the catchment of the SAC</i>		
2.1	Are there any rivers, streams or drains connecting the proposed development site and the SAC? If yes, consider whether there is potential for construction related impacts on water quality.	<b>There are no rivers streams or drains within the site which would be negatively impacted by the proposal. <u>The aim of the proposal is to address an existing pollution problem and improve the groundwater quality.</u></b>
2.2	Would the proposed project result in surface water or other discharges to rivers, streams or drains directly connected to the SAC? If yes, consider whether the discharges could give rise to increased eutrophication or other pollution risk within the cSAC. Consider whether increased surface water discharge could give rise to increased risk of downstream storm water surges.	<b>There are no proposed discharges to surface water</b>
2.3	Would the proposed project require an industrial waste water discharge license? If yes, consider the potential impacts of the discharge on water quality in the SAC.	<b>No</b>
2.4	Is the proposed project located within a flood zone? If yes, consider whether there is potential for construction or operational related impacts on water quality in the SAC; consider whether the proposed project increases flood risk elsewhere in the catchment and particularly the cSAC; or increases the risk of stormwater surges downstream.	<b>No</b>
2.5	Are the proposals for waste water treatment in compliance with EPA requirements?	<b>Not applicable</b>

2.6	Could the proposed project contribute to cumulative negative impacts on water quality? Consider the current status of the freshwater system (see <a href="http://www.wfdireland.ie">www.wfdireland.ie</a> ).	<b>No. <u>The specific purpose of the project is to improve water quality.</u></b>
2.7	Would the proposed project involve dredging (construction or ongoing maintenance related)?	<b>No dredging or any other construction works are proposed.</b>

<b>Consider potential for impact on species</b>	<b>There will be no impact on species. The pumps and sensors to operate the proposed system are already in place. The system has been running as a pilot project for the last year and has proven to be successful in reducing groundwater contamination.</b>
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### Habitats Directive Screening Conclusion Statement

<b>Development Type</b>	Change in leachate management system at Ballaghveny Landfill		
<b>Development Location</b>	Woodville, Ballaghveny, Nenagh, Co. Tipperary		
<b>Natura 2000 sites within impact zone</b>	SPA	Slievefelim to Silvermines	001179
	SAC	Lough Derg, NE Shore SAC	002241
	SAC	Kilduff, Devilsbit Mountain SAC	000934
<b>Waste Licence Number</b>	<b>W0078-03</b>		
<b>Description of the project</b>			
<p>Current licence Condition 6.2.2 states "Leachate levels in the waste shall not exceed a level of 1m over the top of the liner at the base of the landfill". This condition sets out the trigger level for height of leachate in landfill cells with an engineered liner. An exceedance of the 1m trigger level does not imply any emission of leachate to the environment. This condition encourages the pro-active management of leachate volumes through removal to offsite WWTPs. The 1m trigger level for height of leachate is not applied to unlined cells where there is no impermeable barrier between the waste and the surrounding environment; instead either no trigger level is used in these cells or a trigger level agreed through correspondence with the EPA Office of Environmental Enforcement (OEE) is used.</p> <p>It has been determined that the liner of two of the engineered cells (Cells 8 and 9) at Ballaghveny Landfill has been compromised and these cells are now effectively behaving as unlined cells. As a consequence Tipperary County Council put a trial leachate management program in place for these Cells in 2018, with the agreement of the EPA OEE to manage the leachate in an appropriate manner in order to prevent contamination of the surrounding groundwater with leachate. Tipperary County Council now request to amend Condition 6.2.2 to allow the OEE to agree alternative trigger levels for the compromised cells.</p>			
<b>List any potential impacts on Natura 2000 sites that you have identified.</b>			
No works are proposed.			
<b>If there are potential impacts, explain whether you consider if these are likely to be significant</b>			
<p>No potential negative impacts identified.</p> <p><b><u>There is potential for significant positive impact with the improvement of the groundwater quality.</u></b></p>			
<b>Conclusion of assessment</b>			
Sufficient information provided to carry out screening, significant impacts are ruled out. Project may be authorised.	Y/N		Yes
Sufficient information provided to carry out screening, potentially significant impacts on a Natura 2000 site or sites have been identified. Project must be subject to appropriate assessment. Natura Impact Statement required.	Y/N		N/A
Insufficient information provided to complete screening. Screening Report or NIS is required.	Y/N		N/A
<b>Completed By</b>	Louise Ryan, Acting Executive Scientist		
<b>Date</b>	11/10/19		