

Attachment-8-1-Waste Generated and Animal By-Products (Supporting Information)

Details on the current leachate quality generated in the MSW Landfill is provided to the Agency in accordance with the requirements of the existing IED Licence (W0201-03).

The anticipated leachate quality for the proposed Non-Hazardous and Hazardous Landfills are detailed in Table 3.29 and Table 3.30, respectively, of the Proposed Development EIA.

The anticipated leachate quality composition for the treated leachate which will be removed off-site for disposal at a municipal WWTP is presented below. It is noted that this final effluent quality from the leachate treatment facility is subject to further detailed discussions with Irish Water to confirm acceptance at a suitable WWTP.

Determinand	Anticipated Final Effluent Quality
COD	600
BOD ₅	<10
TOC	150
suspended solids	<20
volatile suspended solids	-
ammoniacal-N	<5
nitrate-N	<100
nitrite-N	<1
alkalinity (as CaCO ₃)	1800
pH-value	8.0
conductivity (µS/cm)	12000
chloride	1500
sulphate	100
phosphate	<1
sodium	1500
magnesium	100
potassium	800

calcium	100
iron	<0.2
<i>Toxic metals in µg/l</i>	
chromium	150
manganese	50
nickel	150
copper	500
zinc	100
cadmium	<2
lead	10
arsenic	200
mercury	<0.1

Note: All results in mg/l, except conductivity (µS/cm) and toxic metals (µg/l).

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