

Mr. Niall Kennedy,
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7th February 2020

Reg. No. H0394-01

Re: Castlerea Landfill – Notice in accordance with Regulation 7(4) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008

Dear Mr. Kennedy,

I am to refer to the above referenced application for a certificate of authorisation in relation to the above referenced historic landfill.

Having examined the foregoing, I am to advise that the Agency is of the view that the application does not comply with Regulation 7(2) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008.

You are therefore requested in accordance with Regulation 7(4) of the Regulations, to take steps to supply the information detailed below:

REGULATION 7(2) COMPLIANCE REQUIREMENTS

1. Reference is made throughout the application to a report prepared by Entec Consultants in 1998, which, it is stated, informed the Tier 1 Risk Assessment.
 - a. Please provide a copy of the Entec report referenced.
 - b. Please clarify how reliance on the details of the Entec report to inform the Tier 1 Risk Assessment is in accordance with the requirements of Section 2.3 of the EPA Code of Practice.
2. The estimated volume of waste is stated to be 83,000m³. However, this is stated to be based on an estimated average thickness of waste of 2m in the area landfilled in the period between the issue of the Entec Report and the final closure of the landfill. It is noted that the 1999 report titled *Physical Setting and Risk Assessment for Castlerea Landfill Site*, as undertaken by Entec and referenced in the Tier 1 Study provided with the application, estimated that a total of approximately 70,000m³ of waste was present at the site.
 - a. Please confirm if the final estimated volume of waste of 83,000m³ is to be taken to represent the full extent of the landfill.



- b. If this is the case, please clarify how this has been established, given the short period of landfill activity between the issue of the Entec Report and the final closure of the landfill in 1999.
 - c. Please also provide an interpretation for difference in the stated volumes, 70,000m³ against 83,000m³.
3. It is noted that the characterisation of waste deposited (80% domestic, 19% commercial and 1% road sweeping) is based on waste accepted at the landfill in 1994. However, the landfill was active in Area A1 from 1960 to 1988 and in Area A2 from 1988 to 1999. Please state how this estimation is representative of the actual types of waste deposited in the landfill, taking into account the full extent of the landfill and the history of deposition in areas A1 and A2. In support of your response, please provide the characterisation of waste deposited across the entire landfill.
4. It is noted that landfill gas monitoring at L1 was not repeated in 2019, for the reason stated in the application. However, given the high concentration of landfill gas detected at L1 in 2017, it is considered important to obtain up to date monitoring results for that location. To this end, please provide up to date gas monitoring at L1 and include an interpretation of the results, taking into account the very high concentration of methane (76%) recorded at L1 in November 2017.
5. The risk assessment states that the waste needs to be "pulled back from the surface water drains to the east of the A1 area and west of the A2 area and north of the Harristown Stream". Please clarify the need to pull back waste as it relates to the area referred to as "north of the Harristown Stream".

Your reply to this notice should include a revised non-technical summary, which reflects the information you supply in compliance with the notice, insofar as that information impinges on the non-technical summary.

In the case where any drawings already submitted are subject to revision consequent on this request, a revised drawing should be prepared in each case. It is not sufficient to annotate the original drawing with a textual correction. Where such revised drawings are submitted, provide a list of drawing titles, drawing numbers and revision status, which correlates the revised drawings with the superseded versions.

Please supply the information in the form of one original plus one copy within **three weeks** of the date of this notice. In addition, please submit one copy of the requested information in electronic searchable PDF format on a CD-ROM to the Agency. Please note that all maps/drawings should not exceed A3 in size.

Please note that the application's register number is **H0394-01**. Please direct all correspondence in relation to this matter to *Administration, Environmental Licensing Programme, Office of Environmental Sustainability, Environmental Protection Agency, Headquarters, PO Box 3000, Johnstown Castle Estate, County Wexford* quoting the register number.

Yours sincerely,



Ewa Babiarczyk
Inspector
Environmental Licensing Programme
Office of Environmental Sustainability