

Mr. David Regan,
Executive Technician,
Waterford City & County Council – Environment Section
Civic Offices,
Davitt's Quay,
Dungarvan,
Co. Waterford.

7th January 2021

Reg. No. H0003-01

Re: Portlaw Historic 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. Regan,

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. Complete Declaration as requested in Section F of the Application.
2. Provide two documents that relate to the Qualified Person required under Section 2.3 of the EPA Code of Practice – Environmental Risk Assessment for Unregulated Waste Disposal Sites.
3. State the start date of waste activities at the site as requested in Section C.2 of the Application Form.
4. State the current and proposed, post-remedial works, use of the site.
5. The site boundary shown in Figure 2 of Tier 1 Assessment and on maps titled: 'Gas monitoring' and 'Trial Pit Investigation' submitted as part of Tier 2 Assessment differs

from each other. Provide, or refer to, a drawing/map that shows the correct site boundary.

6. It is noted that the monitoring results for trial pit investigations submitted as part of Tier 2 Assessment include the monitoring results for six trial pits (TP1, TP2, TP4, TP7, TP9 and TP11) while the map titled 'Trial Pit Investigation' shows fourteen trial pits. Provide the monitoring results and their interpretation for the remaining trial pits.
7. Tier 1 Assessment states that domestic, commercial and possibly industrial waste was deposited to the depth of 10m. Attachment C.5 of the Application states that the Tier 2 Assessment indicated that the site is characterised by municipal solid waste (MSW) and that the geophysical data indicated the maximum depth of MSW to be 5.6m. Please state the actual depth of waste and whether industrial waste was deposited at the landfill. Please include also the results of the geophysical survey referred to in the said attachment.
8. Attachment C.5 of the Application states that further information with regard to the waste body can be viewed in Tier 2 Intrusive Risk Assessment and QRA documents. Please provide Tier 2 Intrusive Risk Assessment and the QRA documents.
9. State the tonnage for the amount of waste deposited in the closed landfill. Please include also the volume for the total amount of deposited waste in m³. Also, include a drawing showing the extent of the waste body.
10. State the units for gas monitoring results from the monitoring event on 3rd October 2019 submitted in the correspondence of 28th January 2020. Include a drawing showing the gas monitoring locations.
11. Provide a drawing showing the landfill leachate monitoring locations for the monitoring event on 2nd October 2019. State which leachate monitoring locations are upgradient/downgradient of the waste body.
12. It is noted that results for surface water monitoring undertaken on 23rd October 2019 include the monitoring results only for Ammonia, Iron and pH. Please carry out surface water monitoring upstream and downstream of the closed landfill, having regard to parameters listed in the *European Communities Environmental Objectives (Surface Waters) Regulations, 2009, as amended*. Include the interpretation of the monitoring results and a drawing showing the surface water monitoring locations.
13. It is noted that results for groundwater monitoring undertaken on 23rd October 2019 include the monitoring results only for Ammonia, Iron and pH. Please carry out groundwater monitoring at locations upgradient and downgradient of the waste body. Please have regard to parameters listed in the *European Communities Environmental Objectives (Groundwater) Regulations, 2010, as amended*. Include the interpretation of the monitoring results and a drawing showing the groundwater monitoring locations.
14. State groundwater flow direction beneath the site and how was it determined. Please also provide a drawing showing the groundwater flow direction.
15. Propose the remedial works for the closed landfill, including gas venting system, gas utilisation system, leachate management system and surface water run-off management system. Include drawings showing the proposed systems and associated remedial infrastructure.
16. Provide a drawing showing the conceptual site model for the closed landfill.

Your reply to this notice should include a revised non-technical summary, which reflects the information you supply in compliance with the notice, in so far 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 **four 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 H0003-01. 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