

# EPA Application Form

## 4. Activity and Capacity

### 4.3.1 - Storage of Waste and Other Materials - Attachment

Organisation Name: \*

Bord na M6na Public Limited Company

Application I.D.: \*

LA001696

**Amendments to this Application Form Attachment**

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
V.1.0	March 2018	Identification of required fields	Assist correct completion of attachment

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\* indicates required field

### Storage of Waste and Other Materials

State the maximum amount of waste and other materials that will be stored on the site at any one time in the table below<sup>1</sup>.

Waste/Other Material	Amount (tonnes) *
Waste accepted and in storage pending treatment:	63,412
Other materials (Non-waste) accepted, including non-waste feedstocks:	252
Capacity of treatment vessels and chambers:	6,196
Treated waste, whether classified as waste or not:	60

List any other feedstocks to the treatment process not classified as waste. State 'none' if none. \*

Process water required for the hazardous ash solidification process will be taken from the hazardous waste landfill leachate. This process water will be stored in a bunded storage tank with a capacity of 250m<sup>3</sup>.

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<sup>1</sup> This should include waste and other materials in: (1) reception, inspection and quarantine areas; (2) storage pending treatment; (3) storage after treatment; and (4) vessels, chambers or tanks during treatment or processing.

\* indicates required field

**Waste and material outputs from waste activities (i.e., those subject to Waste licensing or class 11 of the First Schedule of the EPA Act)**

Describe the waste and material outputs from the installation resulting from the treatment of waste. If no treatment is carried out on the waste, the waste outputs will be the same as the inputs.

If waste is treated, describe the nature and quantity of the treated waste and its onward fate/destination, and in particular whether it is sent for onward recovery or disposal operations.

If waste is treated and a material is produced that is no longer a waste, provide the rationale for such classification. The requirements of Article 28 of the European Communities (Waste Directive) Regulations 2011 should be addressed in any such rationale. Include the response in this attachment.

Suitable biodegradable waste is treated in the composting facility. The composting process results in the generation of a biostabilised material output with a volume of c. 70% of the incoming waste quantity (i.e. 63,000 TPA). In accordance with the current composting process at the facility, the compost like output (CLO) material will be transferred for recovery or disposal in the MSW Landfill and the Non-Hazardous Landfill depending on the operational requirements at the landfill. The quantities recovered or disposed of in each landfill will vary depending on operational requirements but at this point, it is anticipated that 7,500 TPA will be recovered/disposed of to the MSW Landfill and 45,500 TPA will be recovered/disposed of to the Non-Hazardous Landfill. Post cessation of the placement of waste in the MSW Landfill in 2028, all of the compost facility output will be recovered/disposed of in the Non-Hazardous Landfill.

The composting facility has the capability to carry out a further pasteurisation step in the treatment process, thereby producing a compost material which is suitable for application on land in accordance with Animal By-Products legislation. This process is only carried out where the feedstock is source segregated bio-waste and is required to be kept separate from incoming organic fines material at all times to ensure maximum quality control. Although this process has been carried out at the compost facility in the past, it is not currently intended to carry out this further treatment step. In the event that Bord na Móna determine that the acceptance of source segregated bio-waste only to produce compost material becomes viable, either in the entire compost facility or in part of the facility, the EPA will be notified of this proposal and details provided with regard to quality control and testing to ensure compliance with relevant legislation and guidance for the application of the output on land.

**For Soil Recovery Activities (only), please complete the following table:**

All blank fields in the table are mandatory

Soil Recovery Activity Details	Input a value into ALL blank cells (where applicable)			
Volume of void to be filled and authorised by planning permission:	687,685 (MSW Landfill void remaining)		m <sup>3</sup>	
Quantity of waste soil and stone that is required to fill the void:	Varies – recovered soil to be used as engineering material in MSW Landfill		tonnes	
Proposed annual intake of waste soil and stone:	Varies – 120,000 TPA of engineering material required of which some (or all) may be recovered soil and stone.		tonnes per annum	
Proposed duration to complete the fill:	10 (until 2028 or completion of waste placement in the MSW Landfill whichever happens first)		years	
Stage of fill: 'Not Commenced' OR 'Commenced':				
- If commenced: quantity of waste already deposited in the void: (Enter a value in both cells)	4,352,315	m <sup>3</sup>	6,217,593	Tonnes
- Volume of void remaining:	687,685		m <sup>3</sup>	
Period of previous fill: (<Year> to <Year>):	2008 - Current			
Quantity of fill authorised by planning permission: (Enter a value in both cells)	5,040,000	m <sup>3</sup>	7,200,000	Tonnes

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**Waste Licence, waste facility permit, or certificate of authorisation number:** (Attach copy in this document)

Soil recovery in the landfill is carried out in accordance with the current IED Licence (W0201-03) and is proposed to continue under the new IED Licence.

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