

EPA Application Form

4. Activity and Capacity

4.3.1 - Storage of Waste and Other Materials - Attachment

Organisation Name:

Killarney Waste Disposal.

Application I.D.:

W0217-02

Authorisation Application Form

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

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

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 below¹.

Waste/Other Material	Amount (tonnes)
Waste accepted and in storage pending treatment	1196
Other materials (Non-waste) accepted, including non-waste feedstocks	
Capacity of treatment vessels and chambers	
Treated waste, whether classified as waste or not	

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

None

For inspection purposes only.
Consent of copyright owner required for any other use.

¹ 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.

Authorisation Application Form

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.

MMW

MMW comprising residual household and commercial wastes (originating from, factories, offices, hotels, and retail sources) are accepted and processed inside the main processing building. This involves the waste being shredded, screened to remove organic fines and passed beneath a magnet to remove ferrous metals. The residual wastes are stored inside the building before being sent to other authorised waste management facilities for further processing, which includes the manufacture of refuse derived fuel (RDF).

The organic fines are loaded into a trailer parked inside the building and once the trailer is full the trailer is sent to authorised waste treatment facilities for further treatment. The metals are moved to the metal processing area.

The dry recyclables originate from the same sources as the MMW (the majority of KWD Recycling's customers both domestic and commercial, have a green bin along with the black bin, collections alternating every second week). The source segregated dry recyclables are inspected and baled. The baled materials are stored inside the main building and in the plastics storage building pending transfer to authorised waste recovery/recycling facilities.

Food Waste

Brown Bin (food waste) is loaded directly into a bulk trailer that is parked inside a stand-alone, fully enclosed structure that has a retractable roof and is accessed by a ramp. The vehicle delivering the waste reverses up the ramp to the off-loading bay. The retractable roof is then opened, the contents of the vehicle emptied into the trailer and the roof closed. Once full the trailer is sent to an authorised biological treatment facility.



Authorisation Application Form

C&D Waste

After inspection the large bulky items are removed using front end loaders. The remaining materials are mechanically screened to separate out the metals, timber, rubble and soil. The rubble is stored externally pending consignment off site for further treatment/recovery.

The timber is moved to the timber processing area. Originally it was shredded externally and the shredded material stored pending consignment to other authorised waste management facilities for further treatment/recycling. However, as instructed by the EPA shredding has stopped, but the external storage continues.

The metals recovered from the waste and other source segregated metals accepted at the facility are compacted into bales and stored externally pending consignment.

The installation is currently licensed to process 40,000 tonnes of waste annually but hope to increase the capacity to 59,000 tonnes per annum.

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

For Soil Recovery Activities (only), please complete the following table: [Not Applicable](#)

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:		m ³	
Quantity of waste soil and stone that is required to fill the void:		tonnes	
Proposed annual intake of waste soil and stone:		tonnes per annum	
Proposed duration to complete the fill :		years	
Stage of fill: 'Not Commenced' OR 'Commenced':			
- If commenced: quantity of waste already deposited in the void: <u>(Enter a value in both cells)</u>		m ³	Tonnes
- Volume of void remaining:		m ³	
Period of previous fill: (<Year> to <Year>):			
Quantity of fill authorised by planning permission: <u>(Enter a value in both cells)</u>		m ³	Tonnes
Waste Licence, waste facility permit, or certificate of authorisation number: <u>(Attach copy in this document)</u>			

For inspection purposes only. Content of Copyright Owner required for any other use.

EPA Application Form

4. Activity and Capacity

4.6.1 - Water and Energy Usage - Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

*For inspection purposes only.
Consent of copyright owner required for any other use.*

4. Activity and Capacity

4.6. Water and Energy Usage

Water Usage

Complete the table below with summary details of current and proposed maximum water usage
 (The following table contains additional guidance for certain fields where you see the small red triangle in the cell. To view the guidance simply hover over the cell).

Water Type	Current Usage Per Calendar Year (m3/yr)	Future Usage Per Calendar Year if Authorisation Granted (m3/yr)
Groundwater Abstraction	Nil	Nil
Surface Water Abstraction	Nil	Nil
Public Supply		
Other		
Total	0	0

Energy Usage

Electricity Usage

Complete the table below with summary details of current and proposed electricity usage
 (The following table contains additional guidance for certain fields where you see the small red triangle in the cell. To view the guidance simply hover over the cell).

Electricity type	Current Usage Per Calendar Year (MWH)	Future Usage Per Calendar Year if Authorisation Granted (MWH)
Electricity Purchased	1,199	1798.5
Total Renewable Electricity Generated and Used at the Site	-	0
Total Non-Renewable Electricity Generated and Used at the Site	-	0
Total Electricity Generated and Used	-	-
Total Electricity Used	1,199	-

For inspection purposes only. Consult copyright owner required for any other use.

Describe the types of renewable energy being generated (if applicable)

Are you using wind turbines at the installation/facility for renewable energy? (Yes/No)

Are you exporting energy generated at the installation/facility to the grid? (Yes/No)

Amount of generated electricity exported (MWHrs)

Thermal Energy Consumption

Complete the table below with summary details of current and proposed electricity usage.

(Select the 'Fuel Type' from the dropdown list, select 'm³' or 'Tonnes' in the 'Unit' column and enter the annual usage)

Fuel Type	Amount Used Annually	Unit

Consent of copyright owner required for any other use.
For inspection purposes only.

EPA Application Form

4. Activity and Capacity

4.6.2 - Raw Materials, Intermediates and Products - Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

For inspection purposes only.
Consent of copyright owner required for any other use.

4. Activity and Capacity

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site Note 1 - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number	Danger Category ⁽³⁾	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Hazard Statement ⁽⁴⁾	Odour		Threshold µg/m3
								Odourous Yes/No	Description	
1	Diesel	68334-30-5		0	160	Mobile Plant, trucks, generator	H351, H411			

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
1		N	Yes			

For inspection purposes only.
Consent of copyright owner required for any other use.

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number	Danger Category ⁽³⁾	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Hazard Statement ⁽⁴⁾	Odour		
								Odourous Yes/No	Description	Threshold µg/m3

For inspection purposes only.
Consent of copyright owner required for any other use.

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non-hazardous ⁽⁵⁾		

For inspection purposes only
Consent of copyright owner required for any other use.

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site *Note 1 - See notes below table for further information*

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number	Danger Category ⁽³⁾	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Hazard Statement ⁽⁴⁾	Odour		
								Odourous Yes/No	Description	Threshold µg/m3

For inspection purposes only.
Consent of copyright owner required for any other use.

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		

For inspection purposes only.
Consent of copyright owner required for any other use.

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number	Danger Category ⁽³⁾	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Hazard Statement ⁽⁴⁾	Odour		Threshold µg/m3
								Odourous Yes/No	Description	

Notes: **1** The details provided should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included. Particular attention should be paid to materials and product consisting of, or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 2003 [SI 116/2003] as amended and Regulation (EC) No. 1272/2008. The list must classify these materials in accordance with both of these Regulations, and must specify the designated Hazard Statements. Hazard statements for each substance should be in accordance with Article 21 of the EC Regulation 1272/2008. The list must identify any Substances of Very High Concern (SVHC) listed in Annex XIV of the REACH Regulations (Regulation (EC) No 1907/2006) as amended and indicate whether the use has been authorised or is exempted in accordance with the Regulation. In the case(s) of exempted use(s) the list must state the basis for each intended exempted use concerned.

2 In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.

3 Article 2(2) of S.I. No. 116/2003.

4 EC Regulation 1272/2008 (Chemicals Act 2008 (13 of 2008) and 2010)

5 The EPA Classification of Hazardous and Non-Hazardous Substances in Groundwater, December 2010.

6 Where relevant, specify whether the substance is on the Authorisation List (Annex XIV Regulation (EC) No 1907/2006 as amended) or Restriction List (Annex XVII Regulation (EC) No 1907/2006 as amended). Also, indicate whether the use has been authorised or exempted in accordance with Regulation (EC) No 1907/2006 as amended.

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		

For inspection purposes only
Consent of copyright owner required for any other use.

EPA Application Form

7.1 - Emissions Overview Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

For inspection purposes only.
Consent of copyright owner required for any other use.

7. Emissions Overview



Main Emissions/Discharges



Select the emission(s)/discharge thematic(s) (environmental media) applicable to the activity in the table below. Enter the number of main emission points for each thematic and complete the table below.

The following table contains additional guidance for certain fields where you see a small red triangle in the cell. To view the guidance simply hover over the relevant cell.

Emission/Discharge Thematic	Thematic Applicable to Application?	Number of main emission points?	Does emission have trans-boundary potential?	Upload a Report on Compliance with current ELVs (where applicable) include results of recent emission monitoring for each thematic identified - enter filename in table below
Surface Water	Yes	2	Yes	
Sewer (Not Storm Water)	No			
Air	Yes			
Noise	Yes	n/a		
Ground, Groundwater and/or Landspreading	Yes	4	No	
Storm Water	Yes	1		
Total:		7		

For inspection purposes only. Consent of copyright owner required for any other use.

Receiving Environment



For each applicable thematic listed below - upload an impact assessment of the emissions/discharges on the receiving environment.

The following table contains additional guidance for certain fields where you see a small red triangle in the cell. To view the guidance simply hover over the relevant cell.

Emission/Discharge Thematic	Thematic Applicable to Application?	Upload impact assessment(s) with your application - enter filename in table
Surface Water	Yes	
Air	Yes	
Noise	Yes	
Ground (and/or Landspreading)	Yes	

Guidance on the information required in the upload documents is included below**Guidance on the content of Reports on Compliance**

For each relevant thematic (environmental media), include results of emission monitoring and other data, that enables a comparison of the operation of the installation/facility with the best available techniques (BAT).

For Industrial Emission Licence applications this must enable a comparison of the installation with BAT described in the applicable BAT conclusions and with the emission levels associated with the best available techniques in accordance with Section 86A(9) of the Act of 1992 as amended.

The report(s) on compliance should be uploaded under section '**7.1.3 Additional Documents**'. Select Document Type: '**Emissions Compliance Report**' for the upload(s).

Impact Assessment of Emissions/Discharges

Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

Guidance on Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality objectives and standards and any objectives and standards laid down for protected areas.

Include a statement whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Licensing)(Amendment) Regulations 2004, S.I. No. 394 of 2004) to water are likely to impair the environment.

Indicate whether or not the activity complies with the requirements of the EC Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

If the discharge is to water body that is already achieving high status, or if the discharge is to waters draining to the surface water bodies identified under the First Schedule of the EC Environmental Objectives (Freshwater Pearl Mussel) Regulations 2009, compliance must be with the 95%ile high status limits.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be uploaded.

For emissions outside emission limit established according to the combined approach, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting the upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits established in accordance with the combined approach.

Any relevant additional information/supporting should be included in the upload.

Guidance on Assessment of Atmospheric Emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement as to whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

This upload should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion modelling, regard should be had to the EPA "Air Dispersion Modelling from Industrial installations Guidance Note (AG4)" or similar guidelines from a recognised authority.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

Any relevant additional/supporting information should be included in the upload.

Guidance for the content of a Noise Emissions Impact Assessment

Give details and an assessment of the impacts of any existing or proposed noise emissions on the environment, including environmental media other than those into which the emissions are to be made.

The Agency's Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012) should be consulted (available on www.epa.ie) where a noise impact assessment is required. A planned programme of improvement towards meeting upgraded standards is required and should have due regard to the noise control and mitigation measures outlined in section 8 and appendix (IX) of the Guidance Note. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the Guidance Note.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form part of the upload.

(i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)

(ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.

(iii) Give details of the background (or residual) noise levels experienced at the site in the absence of noise from this operation.

Details of proposed noise limit criteria must be included in the Tab 7.5 - 'Noise Emissions Attachment'.

Any relevant additional/supporting information should be included in the upload.

Guidance on Assessment of Impact of Ground/Groundwater Emissions

For the Landspreading of agricultural manures or other organic fertilisers - complete the applicable 'Landspreading Controls' template in Tab 7.6.1 -'Emissions to Ground and/or Landspreading' attachment and either the '**7.6.2(a) Landspreading Controls - Agri - Attachment**' or '**7.6.2(b) Landspreading Controls (Non-Agri) Attachment**' .

In this case include a comment in this table to refer to the upload in tab 7.6.2 of the application form.

For other existing or proposed emissions to ground/groundwater the scope and detail of this assessment will depend to a large extent on the extent and type of emissions to ground at any site, which in turn are related to the risk. Describe the existing groundwater quality. Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes, land injection, etc. The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of the impact of the activity on groundwater.

The upload should also contain full details of any modelling carried out of the potential impact of emissions from the activity on groundwater.

Any relevant additional/supporting information should be included in the upload.

Ground and/or Groundwater Contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Indicate whether or not compliance with the requirements of the EC Environmental Objectives (Groundwater) Regulations 2010, S.I. No. 9 of 2010 can be achieved.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in the upload attachment.

Baseline Report

In the case of an Industrial Emissions Directive activity that involves the use, production or release of relevant hazardous substances (as defined in section 3 of the EPA Act 1992 as amended), and having regard to the possibility of soil and groundwater contamination at the site of the installation, should provide a baseline report in accordance with Section 86B of the EPA Act 1992 as amended. Where required the baseline report should be included Tab 4.8 'Reports' in the application form.

You may include cross references in this assessment to information provided in the uploaded baseline report where applicable.

EPA Application Form

7.5 - Noise Emissions - Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

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

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

Noise Emissions (see **Note i** at the end of this attachment)

Note: An assessment of the impacts of noise, where applicable, should be uploaded in Tab 7 – ‘Emissions Overview’ of the application form.

Provide detail of measures to reduce noise emissions (list techniques)
(See **Note ii** at the end of this attachment)

Following the *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012 as amended) complete the table below, inputting summary details of noise monitoring points^(see **Note iii** at the end of this attachment) and proposed noise limit criteria.

Monitoring point code ¹	Easting ²	Northing ³	Monitoring point type ⁴	Proposed Noise Limit Criteria				Proposed monitoring frequency
				Max. noise level daytime dB L _{Ar,T} (30 mins)	Max. noise level evening dB L _{Ar,T} (30 mins)	Max. noise level night dB L _{Eq,T} (15-30 mins)	How was the noise limit derived? ⁵	
NML1	493716	593998	Facility Gate					Annually
NML2	493569	593878	45 m S of main building, adjacent to gateway of detached dwelling 100 m SW of site	55	50	45		Annually
NML3	493824	594080	Site access road, 20m from junction with local secondary road, 140 m NE of site gate	55	50	45		Annually

- 1 The following convention should be observed when labelling noise monitoring points:
N1, N2,.....The monitoring locations should be identified on an accompanying site plan drawing(s) uploaded in Tab 3 – ‘Site’ of the application form.
- 2 Six Digit GPS Irish National Grid Reference of Monitoring Point
- 3 Six Digit GPS Irish National Grid Reference of Monitoring Point
- 4 Monitoring point type options: ‘Boundary’, ‘Noise Sensitive Location’ or ‘Permanent Noise Monitoring’
- 5 Derived noise limit options: ‘BAT’, ‘EQS’, or ‘Derogation’

Authorisation Application Form

Monitoring point code ¹	Easting ²	Northing ³	Monitoring point type ⁴	Proposed Noise Limit Criteria				Proposed monitoring frequency
				Max. noise level daytime dB L _{Ar,T} (30 mins)	Max. noise level evening dB L _{Ar,T} (30 mins)	Max. noise level night dB L _{eq,T} (15-30 mins)	How was the noise limit derived? ⁵	
NML4	493747	594154	150 m NE of site, on roadside verge near NW corner of undeveloped plot in ribbon development cluster N of site	55	50	45	Current Licence	Annually

For inspection purposes only.
Consent of copyright owner required for any other use.

Note: Map(s)/drawing(s) uploaded under 'Site Plans' in Tab 3 of the application form should identify the emission and monitoring points.

Authorisation Application Form

Was an assessment for tonal and impulsive noise carried out? ⁶ (Yes/No)	Yes
If 'Yes' was tonal or impulsive noise identified to be present? (Yes/No)	No

For emissions outside the EPA Noise Guidance Note limit, see the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012) (available on www.epa.ie), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required to be uploaded with this document. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the Guidance Note.

For inspection purposes only.
Consent of copyright owner required for any other use.

⁶ Refer to section 5 of the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012 as amended).

Authorisation Application Form

- Note i** This part of the application form collects data on noise emissions namely measures used to reduce noise and noise levels at a reference distance under normal operation. As noise emissions can arise from different sources on a site, the EPA usually considers the total emission from the site. Please note that emission limit values and monitoring requirements in any proposed licence shall be based on the information supplied hereunder.
- Note ii** Measures are usually required to reduce, minimise or prevent emissions from occurring. They may involve the application of a single technique or a combination of techniques including housing, insulation and appropriate location of equipment. List all techniques proposed/employed. Technique(s) employed must comply with BAT. Highlight additional measures required for the purposes of protecting the environment. The measures or techniques to be taken must be capable of complying with the proposed/known emission level(s).
The measures required shall be informed by the following:
1. BAT techniques
 2. Stricter measures/techniques than BAT
 3. BAT determined by competent authority in consultation with the applicant
 4. Other measures
- Note iii** An individual record (i.e. row) is required for each monitoring point. A National Grid Reference (12 digit, 6E, 6N) must be given for each monitoring point. Noise emissions differ from other emissions in that they are generally limited at a reference distance from the source(s). This reference distance should be, where possible, the boundary of the installation but in certain circumstances it is a noise sensitive location outside the boundary of the installation. Noise levels along a boundary will vary due to the location and positioning of noise sources and the 'worst case' should always be selected. Sufficient points should be identified to fully describe the noise levels from the installation. For waste activities, traffic noise emissions should be taken into account especially if it. The Agency's Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012) and Guidance Note on Noise assessment of Wind Turbine Operations at EPA licensed Sites (NG3)(as appropriate) should be consulted when setting proposed sound limits.

EPA Application Form

7.6.1 - Emissions to Ground and/or Landspreading Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

For inspection purposes only.
Consent of copyright owner required for any other use.

7.6 Emissions to Ground and/or Landspreading

Disposal of Treated Sanitary Effluent via Percolation Area

Are there emissions to ground from the treatment of sanitary effluent?
(Yes/No)

If 'Yes', complete and upload a report, in to the application form, that demonstrates compliance with the criteria set out in the *Code of Practice Wastewater Treatment and Disposal Systems Serving Single Houses (p.e < 10) or Wastewater treatment Manuals – treatment systems for small Communities, Business, leisure centres and Hotels*, published by the Agency. (Select Document Type: '**Sanitary Effluent Compliance**').

Sanitary Effluent Compliance' report file name:

Landspreading of Manure

Is landspreading of manure associated with the activity? (Yes/No)

If 'Yes' complete and upload the '**Landspreading Controls - Agri**' (Operational Report for the Management of Organic Fertiliser) template with information on the management of organic fertiliser (select 'Document Type: '**Landspreading Controls Agri**').

Landspreading Controls - Agri. sector document file name:

Consent of copyright owner required for any other use.
For inspection purposes only.

Landspreading of Non-Agricultural Organic Material

Is landspreading of non-agricultural organic material associated with this activity? (Yes/No)

If 'Yes', complete and upload the '**Landspreading Controls - Non Agri**' template with information on the management of organic fertiliser (select 'Document Type: '**Landspreading Controls - Non Agri**').

Landspreading Controls - Non-Agri. Sector document file name:

Other Emissions to Ground

Are there any other aspects to the activity that may result in emissions to ground or groundwater such as landfill, lagoons, tailings ponds, contaminated land? (Yes/No)

If 'Yes', upload a document in to the application form with full details of the emissions to and impacts on ground or groundwater. The document should also include details of all existing control measures - see note below. (Select the Document Type: '**Emissions to Ground Controls**').

Other '**Emissions to Ground Controls**' document file name:

Note: The '**Emissions to Ground**' upload should describe the existing or proposed arrangements necessary to give effect to Council Directive 2006/118/EC on the protection of groundwater against pollution and deterioration and Council Directive 80/68/EEC on the protection of groundwater against pollution by certain dangerous substances.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

For inspection purposes only. Consent of copyright owner required for any other use.

Not Applicable

EPA Application Form

7.7 - Discharges to Storm Water - Attachment

Organisation Name:

Killarney Waste Disposal Ltd.

Application I.D.:

W0217-02

For inspection purposes only.
Consent of copyright owner required for any other use.

Authorisation Application Form

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

*For inspection purposes only.
Consent of copyright owner required for any other use.*



Authorisation Application Form

Storm Water Discharge Points

Storm water is rain water run-off from roof and non-process areas

Complete the table below for all storm water discharge points – (one row per discharge point).

Note: This section is **NOT** for rain water run-off from areas used for the outdoor storage of waste **OR** run-off from process areas likely to be contaminated. (Process effluent discharges and emissions should be described in the **7.2 Emissions to Water** tab of the application form).

Discharge Point Code	Easting ¹	Northing ²	Discharges to? (enter relevant option) ³	Description of Discharge Point and Controls	Name of receiving water (where applicable)	Receiving Water Code (where applicable)
RI			Drain	None	Not Applicable	
R2			Drain	None	Not Applicable	

For inspection purposes only. Consent of copyright owner required for any other use.

¹ Six Digit GPS Irish National Grid Reference
² Six Digit GPS Irish National Grid Reference
³ Options: 'River', 'Ditch', 'Estuary', 'Lake', 'Land Drain', 'Foul Sewer', 'Percolation Area', 'Groundwater', 'Storm Sewer' or 'Other' (where 'Other' is selected please enter a description)



Authorisation Application Form

*add rows to the table as necessary

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

Storm Water Discharge Monitoring Points

Enter the Discharge Point Code, the associated Monitoring Point Code and the grid reference details for each Monitoring Point location.

Discharge Point Code	Monitoring Point Code	Easting ⁴	Northing ⁵
R1	R1		
R2	R2		

For inspection purposes only.
Consent of copyright owner required for any other use.

*add rows to the table as necessary

⁴ Six Digit GPS Irish National Grid Reference
⁵ Six Digit GPS Irish National Grid Reference



Authorisation Application Form

Storm Water Trigger Levels and Monitoring NOT APPLICABLE

Complete the table below with details of the trigger levels and proposed monitoring regime for each parameter.

Select parameters that are a good indicator of loss of containment on-site. Consult the EPA guidance in the setting of trigger values for storm water discharges to off-site surface wastes at EPA licensed facilities (2012).

(If different parameters or monitoring arrangements apply at different storm water discharge points include information on this within the table).

Parameter	Trigger Level	How was the trigger level determined?	Proposed Monitoring Frequency ⁶	Sampling / Monitoring	
				Sample Method ⁷	Analysis Method and Technique ⁸

Consent of copyright owner required for any other use.
For inspection purposes only.

*add rows to the table as necessary

If not provided for in the table above, upload a document that includes details of how storm water is proposed to be monitored (select Document Type: **Storm Water Monitoring** in the application form).

Storm Water Monitoring document file name:

⁶ Option list: 'Continuous', 'Hourly', 'Daily', 'Weekly', 'Monthly', 'Quarterly', 'Biannually' OR 'Annually'.
⁷ Option list: 'Continuous', '24-hour Flow Proportional Composite', '24-hour Time Proportional Composite' OR 'Grab'.
⁸ Option list: 'Gravimetric', 'Online Calibrated Suspended Solids', 'Online Flow Meter with Recorder', 'Online pH electrode/probe Meter and Recorder', 'Online Temperature Probe with Recorder', 'Standard Method', 'Visual', OR 'To be agreed by the Agency'.

EPA Application Form

8.1 - Waste Generated and Animal By-Products Generated - Attachment

Organisation Name:

Killarney Waste Disposal Ltd

Application I.D.:

W0217-02

Authorisation Application Form

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

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Authorisation Application Form

Waste Generated (See **Note i** at the end of this attachment)

Attach evidence that demonstrates, in accordance with Articles 11(3) and 12(1)(h) of the Industrial Emissions Directive (for IE licence applications) and Article 4(1) of the Waste Framework Directive (for all applications), how the waste hierarchy (see **Note ii** at the end of this attachment) has been taken into account in the prevention and management of waste generated at the installation/facility (select Document Type: '**Waste Hierarchy**').

Waste Hierarchy evidence filename:

Complete the table below in relation to waste generated at the installation or facility

Describe, by completing the table below, the arrangements for the recovery or disposal of solid and liquid wastes generated. Use one row (at least) for each waste generated (*the following are examples: e.g., production waste, office waste, canteen waste, vehicle servicing waste, workshop waste, landfill leachate, liquid waste, yard sweepings, ash*). Where appropriate, attach analysis of the waste (include test methods and Q.C.) and period or periods of generation of the waste.

Note: This table is for waste generated as a result of the licensable and associated activities.

This table **is not** for waste accepted at the installation or facility (these details are required to be included elsewhere (in the Waste Activities Tab (4.3))).

List of Waste (LoW) Code entry	Applicant's description of waste generated at the facility or installation	Estimate or, for a licence review, actual tonnes generated per annum	Is the waste recovered or disposed on-site or is it dispatched off-site to a waste facility? ¹	Describe the disposal or recovery treatment technique	Disposal / Recovery Code
20 03 01	Office Waste	Unknown	Off Site	Recycled	R3
20 01 08	Canteen Waste	Unknown	Off Site	Recycled	R3
15 01 01	Paper & Packaging	Unknown	Off Site	Recycled	R3

¹ Options: '**On-site**' or '**Off-site**'

Authorisation Application Form

List of Waste (LoW) Code entry	Applicant's description of waste generated at the facility or installation	Estimate or, for a licence review, actual tonnes generated per annum	Is the waste recovered or disposed on-site or is it dispatched off-site to a waste facility? ¹	Describe the disposal or recovery treatment technique	Disposal / Recovery Code

For inspection purposes only.
Consent of copyright owner required for any other use.

*add rows to the table as necessary

The following should be provided where appropriate:

1. Analysis of the waste (include test methods and Q.C.)
2. Its location of storage and the manner by which the integrity/impermeability of storage areas is maintained
3. Period or periods of generation of the waste.

Authorisation Application Form

Animal By-Products Not Applicable

Complete this table for any **animal by-products generated** whether classified as waste or not.

Description of material	Estimate <u>or</u> for licence reviews, actual tonnes generated per annum	Is the animal by-product used on-site <u>or</u> is it dispatched off-site to another facility? ²	Describe the disposal or recovery treatment technique	Disposal / Recovery Code	Describe off-site uses (where applicable)

*For inspection purposes only.
Consent of copyright owner required for any other use.*

*add rows to the table as necessary

² Options: 'On-site' or 'Off-site' or 'not classified as waste'.

Authorisation Application Form

Note i **Waste Generated**

This part of the form collects data and information on the management of waste generated at the facility or installation. (Do not repeat information already provided in Tab 4 on Waste Activities, where applicable).

Waste must be managed without endangering human health and harming the environment, and in particular without risk to water, air, soil, plants or animals, without causing a nuisance through noise or odours, and without adversely affecting the countryside or places of special interest. Measures must be taken to ensure that waste generation is avoided in accordance with the waste hierarchy in Council Directive 98/2008/EC on waste and section 21A of the Waste Management Act 1996, as amended. Where waste is generated, it must be prepared for re-use, recycled or recovered or, where that is technically and economically impossible, it can be disposed of while avoiding or reducing any impact on the environment (applicants should provide this information in the context of the Waste Management Act 1996 as amended).

Note ii **Waste Hierarchy**

Describe what measures will be taken to prevent the generation of waste to the extent possible. State whether the operator of the installation or facility has participated in any projects under the National Waste Prevention Programme.

Where waste is generated at the installation or facility, describe how it will be, in order of priority in accordance with section 21A of the Waste Management Act 1996, as amended, prepared for re-use, recycling, recovery or where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

Section 29(2A) of the Waste Management Act 1996, as amended states that it shall be the duty of waste producers and holders to ensure that waste undergoes recovery operations in accordance with sections 21A and 32(1) of the Acts.

For waste whose generation cannot be prevented, describe what measures will be in place to ensure that waste is collected separately (if technically, environmentally and economically practicable) and will not be mixed with other waste or other material with different properties.