

Ms. Caroline Murphy,  
Inspector,  
Environmental Licensing Programme,  
Office of Climate, Licensing and Resource Use,  
Environmental Protection Agency,  
PO Box 3000, Johnstown Castle Estate  
Wexford.

18<sup>th</sup> February 2015

Reg No: W0284-01

Dear Ms. Murphy,

I refer to the following:

Notice in Accordance with Regulation 11(2)(b) of the Environmental Protection Agency (industrial Emissions) (Licencing) Regulations 2013 – dated 8<sup>th</sup> January 2015.

The responses in order are as follows:

#### *Municipal Solid Waste*

1. It is not proposed to accept MSW and brown bin waste at the same time. The facility will accept either MSW, brown bin material or mechanically separated organics (fines) at any one time and will process single streams of these materials only. The type of material accepted will depend upon market conditions and it is the preferred option of the company that brown bin material be accepted followed by mechanically separated organics, with MSW being the least favoured option.
2. For each treatment process the biological process of composting generates its own heat and there is no requirement for an external heat source.

- Environmental Impact Assessment/EIS
- Environmental Monitoring and Sampling
- Waste Management
- Environmental Reporting
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- Environmental Risk Assessment/ Due Diligence
- Commercial Tenders



3. It is proposed to introduce process water (percolate) into the tunnels as part of the composting/stabilisation process as required. This applies to brown bin material, mechanically separated organics or MSW.
4. Following discussion with the Agency it is considered that the activity involving the treatment of MSW and the subsequent removal of waste off site for RDF manufacture is considered to be a class 11.4(b)(ii) activity involving the pre-treatment of waste for incineration or co-incineration. Accordingly a revised newspaper notice has been published (Carlow Nationalist 24<sup>th</sup> February 2015) and a revised site notice has been erected. An original page from the newspaper and a copy of the site notice are attached.
5. Treated MSW is expected to be sent offsite for manufacture into RDF or incineration. In the event that this cannot happen for whatever reason O'Toole Composting Ltd. will process this material prior to sending it to landfill. The resultant residual landfill is calculated in accordance with Figure 1 below and is believed to classify the activity as recovery.

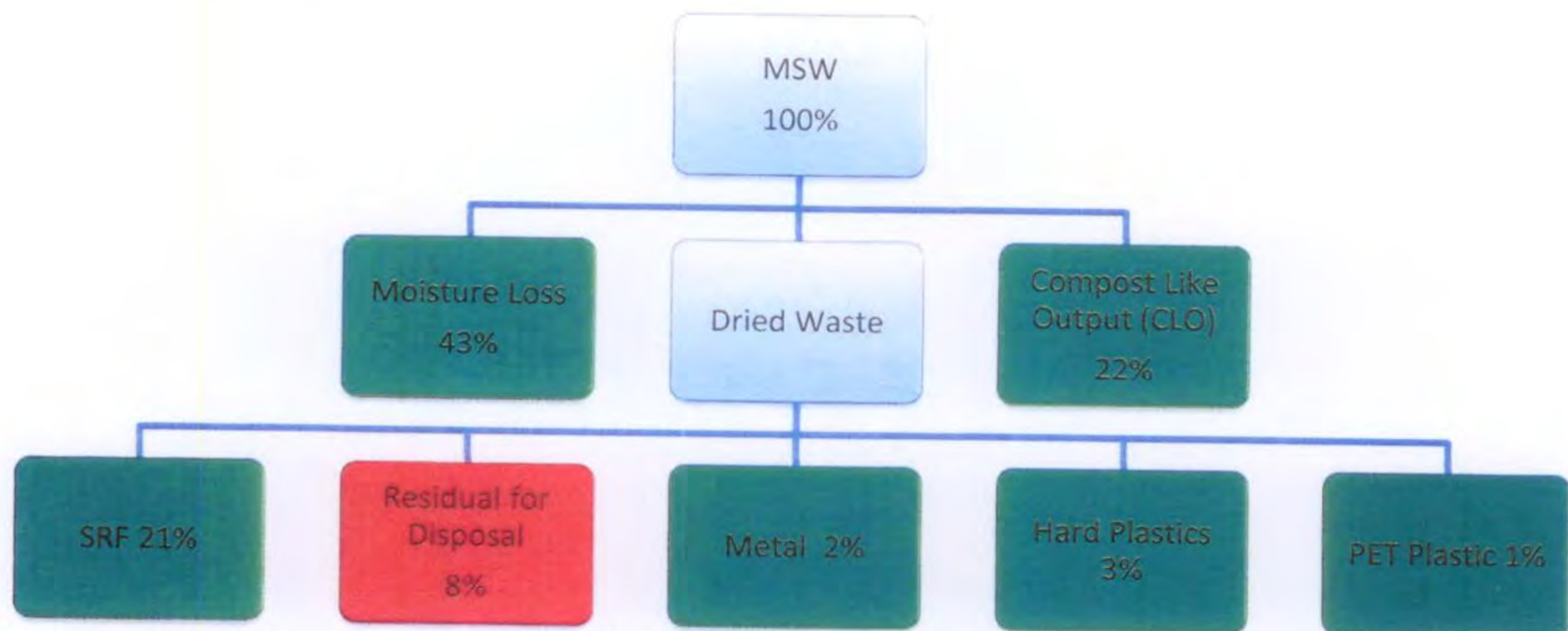


Fig 1. Recovery rates for MSW.

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### Odour Modelling

6. The original biofilter in the composting building has not yet been decommissioned. The proposed biofilters shown in Drawing No. 002/A are subject to a planning permission application which has received a notice of Intention to Grant Permission from the Planning Authority, but which has not yet received a Final Grant. Once the planning process has been completed it is the intention of O'Toole Composting Ltd. to proceed with the construction of the new biofilter and the decommissioning of the existing one. Drawing Number 002/A has been updated to 002/D. It shows no changes to the status of the biofilters
7. It is proposed to install the stack as part of the construction of the proposed biofilter upon completion of the planning process. A final grant is expected shortly.
8. A revised Drawing Number 002/D is attached showing and clearly labelling the red line site boundary.
9. A revised Drawing Number 002/D is attached showing the location of SW2.
10. Please see Table 1 below for details of the treatment process to which each EWC Code will be subject.

Process	EWC Code
Biological Treatment	02 01 01, 02 01 02, 02 01 03, 02 01 06, 02 01 07, 02 01 09, 02 01 99, 02 02 01, 02 02 02, 02 02 03, 02 02 04, 02 02 99, 02 03 01, 02 03 02, 02 03 03, 02 03 04, 02 03 05, 02 03 99, 02 04 01, 02 04 02, 02 04 03, 02 04 99, 02 05 01, 02 05 02, 02 05 99, 02 06 01, 02 06 02, 02 06 03, 02 06 99, 02 07 01, 02 07 02, 02 07 03, 02 07 04, 02 07 05, 02 07 99, 03 01 01, 03 01 05, 03 01 99,

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V.A.T No. 97507781

	<p>03 03 01, 03 03 02, 03 03 05, 03 03 07,          03 03 08, 03 03 09, 03 03 10, 03 03 11,          03 03 99,          04 01 01, 04 01 02, 04 01 06, 04 01 07,          04 01 08, 04 01 09, 04 01 99,          04 02 09, 04 02 10, 04 02 15, 04 02 17,          04 02 20, 04 02 20, 04 02 21, 04 02 22,          04 02 99,          05 01 10, 05 01 13, 05 01 99.          05 06 04, 05 06 99, 05 07 99.          07 01 12, 07 01 99,          07 02 12, 07 02 15, 07 02 99          07 03 12, 07 03 99,          07 04 12, 07 04 99,          07 05 12, 07 05 14, 07 05 99,          07 06 12, 07 06 99,          07 07 12, 07 07 99,          16 03 06,          19 05 01, 19 05 02, 19 05 03, 19 05 99,          19 06 03, 19 06 04, 19 06 05, 19 06 06,          19 06 99,          19 08 01, 19 08 02, 19 08 03, 19 08 09,          19 08 12, 19 08 14, 19 08 99,          19 09 01, 19 09 02, 19 09 03, 19 09 04,          19 09 05, 19 09 06, 19 09 99,          19 12 01, 19 12 12,          19 13 02, 19 13 04, 19 13 06, 19 13 08,          20 01 08, 20 01 25, 20 01 38,          20 02 01, 20, 02 02, 20 02 03          20 03 01, 20 03 02, 20 03 03, 20 03 04,          20 03 06. 20 03 99.</p>
Bring Centre	<p>08 01 12, 08 01 14, 08 01 16, 08 01 18,          08 01 20, 08 01 99,          08 02 01, 08 02 02, 08 02 03, 08 02 99,          08 03 07, 08 03 08, 08 03 13, 08 03 15,          08 03 18, 08 03 99,          08 04 10, 08 04 12, 08 04 14, 08 04 16,          08 04 99,</p>

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	<p>09 01 07, 09 01 08, 09 01 99,          09 01 10, 09 01 12,          15 01 01, 15 01 02, 15 01 03, 15 01 04,          15 01 05, 15 01 06, 15 01 07, 15 01 09,          16 01 15, 16 01 17, 16 01 18, 16 01 19,          16 01 20,          16 02 14, 16 02 16          16 06 04, 16 06 05,          17 01 01, 17 01 02, 17 01 03, 17 01 07,          17 02 01, 17 02 02, 17 02 03,          17 03 02,          17 04 01, 17 04 02, 17 04 03, 17 04 04,          17 04 05, 17 04 06, 17 04 07, 17 04 11,          17 05 04,          17 08 02,          17 09 04,          19 12 01, 19 12 02, 19 12 03, 19 12 04,          19 12 05, 19 12 07, 19 12 08, 19 12 09,          19 12 10, 19 12 12,          20 01 01, 20 01 02, 20 01 10, 20 01 11,          20 01 36, 20 01 39, 20 01 40, 20 01 41,          20 01 99,          20 03 01, 20 03 02, 20 03 07, 20 03 99.</p>
Waste Transfer	<p>02 01 04, 02 01 10,          06 01 99, 06 02 99, 06 03 14,          06 05 03,          06 13 03, 06 13 99,          07 02 13, 07 02 17,          10 01 01, 10 01 02, 10 01 03, 10 01 05,          10 01 07, 10 01 15, 10 01 17, 10 01 19,          10 01 21, 10 01 23, 10 01 24, 10 01 25,          10 01 26, 10 01 99,          10 02 01, 10 10 02, 10 02 08, 10 02 10,          10 02 12, 10 02 14, 10 02 15, 10 02 99,          10 09 03, 10 09 06, 10 09 08, 10 09 10,          10 09 12, 10 09 14, 10 09 16, 10 09 99,          10 10 03, 10 10 06, 10 10 08, 10 10 10,          10 10 12, 10 10 14, 10 10 16, 10 10 99,</p>

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	<p>10 11 03, 10 11 05, 10 11 10, 10 11 12,          10 11 14, 10 11 16, 10 11 18, 10 11 20,          10 11 99,          10 12 01, 10 12 03, 10 12 05, 10 12 06,          10 12 08, 10 12 10, 10 12 12, 10 12 13,          10 12 99,          10 13 14, 10 13 99,          12 01 01, 12 01 02, 12 01 03, 12 01 04,          12 01 05, 12 01 13, 12 01 15, 12 01 17,          12 01 21, 12 01 99,          15 01 01, 15 01 02, 15 01 03, 15 01 04,          15 01 05, 15 01 06, 15 01 07, 15 01 09,          15 02 03,          16 01 03,          16 01 15, 16 01 17, 16 01 18, 16 01 19,          16 01 20,          16 02 14, 16 02 16          17 01 01, 17 01 02, 17 01 03, 17 01 07,          17 02 01, 17 02 02, 17 02 03,          17 03 02,          17 04 01, 17 04 02, 17 04 03, 17 04 04,          17 04 05, 17 04 06, 17 04 07, 17 04 11,          17 05 04, 17 05 06, 17 05 08,          17 06 04,          17 08 02,          17 09 04,          19 10 01, 19 10 02, 19 10 04, 19 10 06,          19 12 01, 19 12 02, 19 12 03, 19 12 04,          19 12 05, 19 12 07, 19 12 08, 19 12 09,          19 12 10, 19 12 12,          20 01 01, 20 01 02, 20 01 10, 20 01 11,          20 01 28, 20 01 30, 20 01 32, 20 01 36,          20 01 39, 20 01 40, 20 01 41, 20 01 99,          20 03 01, 20 03 02, 20 03 03, 20 03 07,          20 03 99.</p>
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In addition we would request that the following codes be removed from the list under consideration – 06 03 16, 06 03 99, 06 04 99, 06 06 03, 06 06 99, 06 07 99, 06 08 99, 06 09 02, 06 09 04, 06 09 99, 06 11 01, 06 11 99, 10 10 01, 10 01 02, 10 01 03, 10 01 05, 10 01 07, 10 01 15, 10 01 17, 10 01 19, 10 01 21, 10 01 23, 10 01 24, 10 01 25, 10 10 26, 10 01 99, 10 02 01, 10 02 02, 10 02 08, 10 03 02, 10 03 05, 10 03 16, 10 03 18, 10 03 20, 10 03 22, 10 03 24, 10 03 26, 10 03 28, 10 03 30, 10 03 99, 10 04 10, 10 04 99, 10 05 01, 10 05 04, 10 05 09, 10 05 11, 10 05 99, 10 06 01, 10 06 02, 10 06 04, 10 06 10, 10 06 99, 10 07 01, 10 07 02, 10 07 03, 10 07 04, 10 07 05, 10 07 08, 10 07 99, 10 08 04, 10 08 09, 10 08 11, 10 08 13, 10 08 14, 10 08 16, 10 08 20, 10 08 99, 10 12 10, 10 02 12, 10 02 14, 10 02 15, 10 02 99, 10 13 01, 10 13 04, 10 13 06, 10 13 07, 10 13 10, 10 13 11, 10 13 13, 10 13 14, 11 01 10, 11 01 12, 11 01 14, 11 01 99, 11 02 03, 11 02 06, 11 02 99, 11 05 01, 11 05 02, 11 05 99, 16 01 06, 16 01 12, 16 01 16, 16 01 22, 16 01 99, 16 03 04, 16 03 06, 16 05 05, 16 05 09, 16 07 99, 16 08 01, 16 08 03, 16 08 04, 16 10 02, 16 10 04, 16 11 02, 16 11 04, 16 11 06, 19 01 02, 19 01 12, 19 01 14, 19 01 16, 19 01 18, 19 01 19, 19 01 99, 19 02 03, 19 02 06, 19 02 10, 19 02 99, 19 03 05, 19 03 07, 19 04 01, 19 04 04, 19 07 03, 19 11 06, 19 11 99

11. Sludge wastes will be accepted in small quantities only and will be mixed with the feed prior to loading the feed into the compost tunnels. The feedstock in this case will be brown bin material or mechanically separated organics. There are No current

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plans to accept liquid wastes other than in small quantities at the CA Centre. These will be placed in appropriate containers and will be stored in suitable containers or banded trays.

12. Climatological information for the O'Toole Composting Ltd. Site at Ballinrane, Fenagh Co. Carlow was obtained from the Meteorological Office website [www.met.ie](http://www.met.ie). The nearest weather station to this site is located in Kilkenny which is approximately 35 kilometers from the site.

30 year averages show the following relevant information:

1. The mean daily temperature is 9.3 degrees Celsius with a mean daily maximum of 13.4 degrees C and a mean daily minimum of 5.2 degrees C.
2. The mean annual rainfall is 822.8 mm
3. The mean monthly windspeed is 6.5 knots.

Given the above it is determined that the climate for the area of Ballinrane is regarded as normal with no exceptional values shown.

Carbon dioxide from the processing of biodegradable waste is not regarded as a net contributor to greenhouse gas emissions because the carbon had a short carbon cycle in other words it was stored in the biomass for a limited number of years as opposed to the hundreds of thousands of years for fossil fuels.

Similarly the processing of MSW and removal of all biodegradable waste from this waste stream will reduce the potential for methane generation should residual amounts of this material be landfilled prior to this treatment. This process therefore has a slightly positive impact on the climate.

Anaerobic Digestion of sewage sludges or biodegradable material and the production of electricity will have the double positive impact of preventing methane emissions from this material should it be landspread or landfilled and production of electricity which will feed into the grid and reduce the requirement for electricity from fossil fuels.

- |   |  |
|---|--|
| • Environmental Impact Assessment/EIS   | • IPPC/Waste Licencing                             |
| • Environmental Monitoring and Sampling | • EMS/ISO14001 Design, Implementation and Auditing |
| • Waste Management                      | • Environmental Compliance                         |
| • Environmental Reporting               | • Planning   |
| • Ecology                               | • Waste Management Facility/Collection Permits     |
| • Project Management                    | • Environmental Risk Assessment/ Due Diligence     |
| • Training                              | • Commercial Tenders                               |





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As the impacts of the current and future activities will have a positive impact on climate no mitigation measures are required.

An updated non-technical summary is attached that reflects the information detailed in this response.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Jim Dowdall', is written over a horizontal dashed line.

Jim Dowdall

Enviroguide Consulting (on behalf of O'Toole Composting Ltd.)

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**26 NOTICES / CLASSIFIED**

**Special Notices**

**Special Notices**

**ST FIACCS SWIMMING CLUB**



**Open Trials are being held for St Fiaccs Swimming Club.**  
**SATURDAY 28th FEBRUARY**  
**Graiguecullen Pool, Carlow.**

Registration 6.00 pm. Trials begins at 6.30 pm

**Entry Requirement : Competent to swim 2 lengths of Freestyle, Breast and Backstroke.**

Enquiries to: 087 6008729 email: [stfiaccs@gmail.com](mailto:stfiaccs@gmail.com)  
 Download application from website [www.stfiaccs.ie](http://www.stfiaccs.ie)  
 Look forward to seeing you there

**Planning Notices**

**LAOIS COUNTY COUNCIL:**  
 We, Brian and Jennifer Johnson wish to apply to Laois County Council for full planning permission to renovate and add extension to our dwelling house, permission to convert part of same development to a granny flat and associated site work at Coolrusk, Luggacurren, Portlaoise, Co. Laois.  
 The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the Authority on payment of the prescribed fee, €20, within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

**LAOIS COUNTY COUNCIL:**  
 I, Noreen Wall intend to apply for permission for the construction of a single story two bedroom detached cottage, single story domestic garage, recessed entrance, septic tank and percolation area, well and all associated site works at Rahin, Ballylinan, Co. Laois. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours. A submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee, within the period of 5 weeks beginning on the date of receipt by the authority of the application.

**LAOIS COUNTY COUNCIL:**  
 We, John & Deirdre Conlon, intend to apply for Permission to construct a new dwelling house, domestic garage with fuel store, effluent treatment system with a raised soil polishing filter percolation area together with a new site entrance and access drive way and all ancillary services and associated works at Clondouglas, Portlaoise, Co. Laois. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours. A submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within a period of 5 weeks beginning on the date of receipt by the authority of the application. Application prepared by Derek Whyte, Design & Planning, 0866001194

**Planning Notices**

**Kildare County Council:**  
 Planning permission is sought to install a septic tank and percolation area to serve the existing dwelling at Rathangan Demesne, Rathangan, signed Con Hogan and Danielle Beattie. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the planning authority during its opening hours and that a submission or observation in relation to the application may be made to the planning authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt of the application by the planning authority.

**LAOIS COUNTY COUNCIL:**  
 We Michael Malone & Laura Cripps, intend to apply for Planning Permission for a development at, Ballypickas, Ballinakill, Co Laois. The development will consist of the construction of a new dwelling, detached garage, septic tank, percolation area and all associated site works. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours. A submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within a period of 5 weeks beginning on the date of receipt by the authority of the application. (Dunne Design Architectural & Fire Safety, Clonohill, Ballacolla, Tel: 087 9160743)

**Planning Notices**

**Planning Notices**

**LIAM RYAN Architectural Design and Planning, Abbeyfeix.**  
 30 years Architectural experience; Dwellinghouses, Extensions; BERS; Commercial and Agricultural Planning; Pre-Purchase reports etc.  
 Contact 057 87 30818 and 086 2666097

**Planning Notices**

**LAOIS COUNTY COUNCIL:**  
 We Kevin & Olga O'Brien intend to make application to Laois County Council for full planning permission for bungalow, garage / fuel store, septic tank and site entrance at Ballinahown, Clonaslee, Co. Laois. This planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee within a period of 5 weeks beginning on the date of receipt by the authority of the application. The planning authority may grant permission subject to or without conditions, or may refuse to grant permission.

**Planning Notices**

**LAOIS COUNTY COUNCIL:**  
 David O'Connor intend to apply to the above local authority for planning permission for the erection of a general purpose domestic shed at Corrigeen, Castle-town, Co. Laois. The planning application may be inspected and/or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning Authority during its opening hours and that a submission or observation in relation to the application may be made to the planning Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt of the application by the planning Authority.

**LAOIS COUNTY COUNCIL:**  
 Seamus Mooney intend to apply to the above local authority for planning permission for the removal of hedgerow and bank and for the provision of a hard standing area (layby) at Capard, Rosnallis, Co. Laois. The planning application may be inspected and/or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning Authority during its opening hours and that a submission or observation in relation to the application may be made to the planning Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt of the application by the planning Authority.

It's all in the planning!

**Public Notices**  
 To place an advert in the planning and special notice section contact us in

**CARLOW**  
 t 059 9170100  
 e ads@carlow-nationalist.ie

**KILDARE**  
 t 045 432147  
 e ads@kildare-nationalist.ie

**LAOIS**  
 t 057 8670216  
 e ads@laois-nationalist.ie

**APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A LICENCE**  
 O'Toole Composting Ltd of Ballintranee, Fenagh, Co. Carlow are applying to the Environmental Protection Agency for a Licence in respect of their development of a composting facility and a waste recycling and transfer station including a bring centre facility, located at Ballintranee, Fenagh, Co. Carlow which is currently operating under waste facility permit number WFP-CW-14-5. The principal activity will consist of composting of biodegradable waste. Other on-site activities will include the operation of a civic amenity bring centre facility, the acceptance, recycling and temporary storage of domestic, commercial, industrial and construction and demolition wastes at the facility. It is proposed when the facility is operating at full capacity that it will accept 60,000 tonnes of waste per annum. An Environmental Impact

**Kildare County Stress Clinic**

**Minding the Mind Public Lectures**  
 Time: 8.00PM - 9.30PM  
 Venue: Osprey Hotel, Devoy Quarter, Naas, Co. Kildare  
 Monday 2 March: Health and Wellbeing in a Stressful World  
 Monday 9 March: What is it about Modern Life that Makes us Depressed?  
 Speakers:  
 Dr Keith Gaynor, Senior Clinical Psychologist, Saint John of God Hospital  
 Dr. Paul Tobin, Senior





on-site activities will include the operation of a civic amenity bring centre facility, the acceptance, recycling and temporary storage of domestic, commercial, industrial and construction and demolition wastes at the facility. It is proposed when the facility is operating at full capacity that it will accept 60,000 tonnes of waste per annum. An Environmental Impact Statement for the facility has been submitted to Carlow County Council and accompanies this application.

The National grid reference for the facility is S 7904 6754.

The classes and nature of the industrial emissions directive activities in accordance with the First Schedule of the Act of 1992 are:

11.1 'The recovery or disposal of waste in a facility within the meaning of the Act of 1996 which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part 1V is in force or in respect of which a licence under the said Part is or will be required.' and

11.4(b) 'Recovery, or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, (other than activities to which the Urban Waste Water Treatment Regulations (S.I. No. 254 of 2001) apply.)

(?) pre-treatment for incineration or co-incineration

A copy of the application for the licence and attachments, the Environmental Impact Statement and such further information relating to the application, will as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle Estate, Co. Wexford.

Co. Kildare

Monday 2 March: Health and Wellbeing in a Stressful World

Monday 9 March: What is it about Modern Life that Makes us Depressed?

Speakers:

Dr Keith Gaynor, Senior Clinical Psychologist, Saint John of God Hospital

Dr Brid Tobin, Senior Clinical Psychologist, Saint John of God Hospital

Admission Free

Kildare County Stress Clinic is a service of Saint John of God Hospital

### Public Notices

**Invitation to Tender for Architectural Services for building project at Robertstown National School**

**Roll Number 18430B**

On behalf of the Board of Management (the Contracting Authority for this project) you are hereby invited to tender for Architectural services (including buying in of additional services for other disciplines as required) for the above project.

The project consists of 1 x 80m2 Mainstream Classroom and 3 x 15m2 S.E.T. Rooms.

For criteria and further information, please email robertstownns@gmail.com.

The closing date for receipt of tenders is 2:30pm on Tuesday, 10th March 2015.

percolation area together with a new site entrance and access drive way and all ancillary services and associated works at Clondouglas, Portlaoise, Co. Laois. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours. A submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within a period of 5 weeks beginning on the date of receipt by the authority of the application. The planning authority may grant permission subject to or without conditions, or may refuse to grant permission.

### Planning Notices

**CARLOW COUNTY COUNCIL:** We wish to apply for amendments to the previously granted planning permission (PL 13-175) for full planning permission to demolish an existing 2 storey dwelling, portal frame shed and outbuilding, construction of a new 2 storey dwelling, onsite treatment system and all ancillary site services as well as modifying an existing site entrance at Parknakyle, Old Leighlin, Carlow. Signed Muireann & Jaakko Ranta.

The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the planning authority during its opening hours and that a submission or observation in relation to the application may be made to the planning authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of the application.

be made to the authority in writing on payment of the prescribed fee within a period of 5 weeks beginning on the date of receipt by the authority of the application. (Dunne Design Architectural & Fire Safety, Clonohill, Ballacolla, Tel: 087 9160743)

### Planning Notices

**CARLOW COUNTY COUNCIL:** We, Coillte Teoranta, intend to apply to Carlow County Council for Planning Permission for development of a Single Electricity Generating Wind Turbine and associated works in the townlands of Cranemore & Kilbrannish North, Kildavin, Co. Carlow. The development will consist of a Single Electricity Generating Wind Turbine with a hub height of up to 65m and a rotor diameter of up to 55m giving an overall tip height of up to 92.5m with associated Hard-stand area, Control Building, upgrade existing forestry access track and site works.

The planning application is accompanied by an Environmental Report (ER) and a Screening Statement for Appropriate Assessment (SSAA). The planning application, ER and SSAA may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority, County Buildings, Athy Road, Carlow Town, during its public opening hours. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the authority of the application, and such submissions or observations will be considered by the planning authority in making a decision on the application. The planning authority may grant permission subject to or without conditions, or may refuse to grant permission.

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Application prepared by Derek Whyte, Design & Planning, 0866001194

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LAOIS  
t 057 8670216  
e ads@laois-nationalist.ie



**Irish Rural Link**  
New Tackle to Energy  
SUPPORT FOR RURAL IRELAND

## Future Energy Policy For Ireland Public Consultation

**Brandon House Hotel, New Ross, Co. Wexford. February 27th 9.30am - 1.30pm**

### SEMINAR AGENDA

- 9.30 Registration Tea & Coffee
- 10.00 Welcome Billy Murphy Chairperson IRL
- 10.05 Introduction by the Chair: Seamus Boland CEO Irish Rural Link
- 10.15 Ken Spratt, Assistant Secretary, DCENR
- 10.30 Dr. Brian O'Gallachoir, Principal Investigator in Energy Policy and Modelling, UCC
- 10.50 Questions & Answers
- 11.10 Tea & Coffee
- 11.30 Brendan Hennessey, Membership Liaison Officer, Social Justice and Policy, St. Vincent de Paul
- 11.45 Break out groups to consider questions
- 12.45 Plenary
- 1.30 Lunch

**Speakers Profiles:**

**Ken Spratt** is the Assistant Secretary General leading the Energy function at the Department of Communications, Energy and Natural Resources. He is Ireland's Director General for Energy matters at EU and international fora, including being a member of the Governor's Board of the International Energy Agency. Since 1986 he has served in five government departments, including Social Protection, Environment & Local Government, Finance, and as a Diplomat at the Irish Embassy in Washington DC. He has an MSc in Innovation Management (UJU & LYIT), a graduate of the DIT (Personnel Management), and the IPA (Economics).

**Dr. Brian Ó Gallachóir** is a Senior Lecturer in Energy Engineering in University College Cork and Principal Investigator in Energy Policy and Modelling in UCC's Environmental Research Institute. He has 24 years research experience in energy engineering, since starting a PhD in ocean wave energy hydrodynamics in 1990. Brian was instrumental in establishing energy engineering as a new discipline within UCC and is Director of the MEngSc Programme in Sustainable Energy. He has published extensively in peer reviewed journal and conference papers, reports and book chapters and is currently editing a book on energy systems modelling. Brian was elected Chair of the Executive Committee of the Energy Technology Systems Analysis Programme of International Energy Agency (IEA ETSAP).

**Brendan Hennessey** is Membership Liaison Officer for the Society of St. Vincent de Paul's (SVP) social justice and policy team. Brendan's work involves gathering information from SVP's volunteer conferences and using that information to inform SVP's social justice positions. Brendan represents SVP on the policy areas of energy and water.

This Free Public Consultation will be Web Streamed and all comments will be recorded.  
To Book a place: Telephone Maria 090 6482744 or email: maria@irishruralink.ie  
For more www.irishruralink.ie

Department of Communications, Energy and Natural Resources  
An Roinn Cumarsáide, Fuinnimh agus Ainbhainní Náúúrtha



## APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A LICENCE

O'Toole Composting Ltd of Ballintrane, Fenagh, Co. Carlow are applying to the Environmental Protection Agency for a Licence in respect of their development of a composting facility and a waste recycling and transfer station including a bring centre facility, located at Ballintrane, Fenagh, Co. Carlow which is currently operating under waste facility permit number WFP-CW-14-5. The principal activity will consist of composting of biodegradable waste. Other on-site activities will include the operation of a civic amenity bring centre facility, the acceptance, recycling and temporary storage of domestic, commercial, industrial and construction and demolition wastes at the facility. It is proposed when the facility is operating at full capacity that it will accept 60,000 tonnes of waste per annum.

An Environmental Impact Statement for the facility has been submitted to Carlow County Council and accompanies this application.

The National grid reference for the facility is S 7904 6754.

The classes and nature of the industrial emissions directive activities in accordance with the First Schedule of the Act of 1992 are:

**11.1 'The recovery or disposal of waste in a facility within the meaning of the Act of 1996 which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.'**

and

**11.4(b)'Recovery, or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities. (other than activities to which the Urban Waste Water Treatment Regulations (S.I. No. 254 of 2001) apply).'**

**(i) biological treatment.**

**(ii) pre-treatment for incineration or co-incineration**

A copy of the application for the licence and attachments, the Environmental Impact Statement and such further information relating to the application, will as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle Estate, Co. Wexford.

SIGNED: Jim Dowdall  
Jim Dowdall (on behalf of O'Toole Composting Ltd.)

DATE: 24/2/2015





**O'TOOLE COMPOSTING LTD.**

**ENVIRONMENTAL IMPACT STATEMENT**

**NON-TECHNICAL SUMMARY**

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## INTRODUCTION

This is a non-technical summary for the Environmental Impact Statement that has been completed for O'Toole Composting Limited. This EIS has been completed as part of a Planning Application that is being submitted to Carlow County Council. An EIS is required for all waste facilities that propose to accept more than 25,000 tonnes of waste per annum.

## OVERVIEW OF THE PROPOSED DEVELOPMENT

O'Toole Composting Limited (OTCL) is based in Ballinrane, Fenagh, Co. Carlow. This facility has been operational as a composting facility, and a waste transfer station since 2005. The facility operates under Waste Permit number WFP-CW-10-0003-01 as reviewed by WFP-CW-14-5, issued by Carlow County Council. It is now proposed to develop and expand operations at the facility. As part of this expansion an application will be made to the EPA for a Licence under the Industrial Emissions Directive, which, if granted, will supersede the Waste Permit for the facility.

OTCL wish to apply for planning permission and an EPA licence under the Industrial Emissions Directive in order to be able to accept up to 40,000 tonnes per annum of biodegradable waste for composting. This biodegradable waste will comprise brown bin material or mechanically separated organics or municipal solid waste in that order of preference. Only one waste stream will be accepted at any given period of time depending upon market and regulatory conditions. It is also proposed to install a new bio-filter on both the composting and waste transfer (skip) buildings. The latter will accept up to 20,000 tonnes of household bulky waste, mixed dry recyclables, commercial and industrial wastes and allow them to expand their current waste management customer base. The proposed development also includes construction of a purpose built Bring Centre for use by members of the public for recycling.

O'Toole Composting Ltd. are proposing to expand, develop and upgrade their existing operations at Ballinrane Fenagh Co. Carlow to allow for the following;

- Increase in capacity of composting facility by up to 40,000 tonnes per annum
- Construction of new bio-filter for composting building.
- Development of a purpose built Municipal Bring Centre.
- Installation of bio-filter on waste transfer and processing facility (skip shed).

There are two proposed stages to this development. It is proposed that Stage 1 will include the expansion to the composting activities with an increase of permitted tonnage to 40,000 tonnes per annum. Stage 1 will also include the construction of a new bio-filter for the composting building.



Stage 2 includes the construction of a purpose built Bring Centre. This will be developed to allow for the acceptance of various waste streams from local residents including bulky waste, mixed recyclables, wood, metal, WEEE, batteries, textiles and others as deemed necessary. This facility will be open to members of the public. Stage 2 will also include the construction of a bio-filter at the skip shed if deemed necessary by the waste types being accepted. A revised drawing clearly labelling the red line boundary is attached – drawing number 002/D.

This EIS will accompany a planning application to Carlow County Council for an increase in tonnage to 60,000 tonnes per annum and a new bio-filter for the composting building, as well as the construction of a Bring Centre and the construction of a bio-filter for the skip shed.

## NEED FOR THE PROPOSED DEVELOPMENT

OTCL is committed to the recycling of waste from all sources including Household, Commercial and Industrial, and Construction and Demolition. Currently there is no other waste recycling facility in County Carlow for the acceptance of commercial waste. The company is particularly focussed on the recycling/composting of biodegradable waste. If the facility operations are expanded as proposed then OTCL will have an increased capacity for composting tonnage that can be used by other waste operators. This will contribute to Ireland's efforts to meet EU targets of biodegradable municipal waste (BMW) accepted at landfill for disposal as set out by the EU Landfill Directive.

## SITE DESCRIPTION

The facility is located in the townland of Ballintrane in Fenagh, Co. Carlow. The National Grid reference for the facility to which this application relates is S 7886 6762. The site which is 4.87 hectares is located in a rural area where the predominant land use is for agriculture. The closest dwelling is located approximately 170 meters south of the facility. The site itself was historically used as agricultural land until it was developed by O'Toole Composting as a composting facility in 2005. Currently the facility operates under Waste Permit Number WFP-CW-1-0003-01, which was granted by Carlow County Council on the 3rd of August 2010 with a maximum permitted tonnage of 10,000 per annum. (As reviewed by WFP-CW-14-5).

The site itself is well serviced with road networks. The site is located directly off the N80 Carlow/Rosslare Road, approximately 6km south east of the M9 Dublin/Waterford Motorway. The main entrance of the facility is located at the north - west corner of the site, just off a local access road Jocks Lane, which runs perpendicular to the main N80 roadway. Sufficient sightlines are at either side of the access lane for safe access and egress to the facility. O'Toole Composting Ltd. is in a central location off the national transport corridor, close to Carlow Town, a county town which links the gateways of Waterford and Dublin and the hub towns of Kilkenny and Wexford.

The bedrock in the underlying area of the facility is that of granite and other igneous intrusive rocks which act as an impermeable barrier to groundwater from the facility.



The site is located in the River Barrow Catchment, within the South Eastern River Basin District. The River Burren flows in a north, north-westerly direction along the eastern site boundary. The Graiguealug stream flows in an easterly direction to the north of the site and joins the River Burren. Because the River Burren is part of the River Barrow system and the former is a candidate Special Area of Conservation a screening for Appropriate Assessment was carried out. This screening determined that the development will not have any impact on the SAC.

## PROPOSED SITE LAYOUT

In general the site layout will remain unchanged, save for the addition of an airlock and new bio-filter at the compost building, a proposed bio-filter attached to the skip shed and a purpose built Bring Centre located adjacent to the site entrance. The proposed site layout is shown in Appendix 2. (See revised drawing 002/D)

The proposed site development works will be undertaken as follows:

- 1) Identification of existing services on site;
- 2) Diversion of necessary services e.g. electricity supply, etc.;
- 3) Undertaking of earthworks cut and fill to include cart away of topsoil to establish ground level; (minor requirement);
- 4) Construction of below ground services to the new building-surface;
- 5) Construction of additional hardstanding area surrounding proposed building;
- 6) Construction of Mechanical and Electrical above and below ground services such as Telecom and Electricity in agreement with service providers as required;
- 7) Construction of a new Bring Centre and bio-filters;
- 8) Installation of all plant and machinery in new buildings.

## ENVIRONMENTAL IMPACT

### Environmental Nuisances

As with any waste facility it is possible that some environmental nuisances may occur within the site, and within the surrounding environment. Potential nuisances may possibly include noise, vermin, dust, odours or litter. However this impact will be minimal due largely to the control measures adopted on site to combat the effect of these environmental nuisances. Strict adherence to the conditions of the waste license, good management practises, control over individual procedures, and maintenance of the odour abatement systems are essential to ensure the site will not impact on receptors in the area. The existing site has a good environmental record which O'Toole Composting Ltd. strives to maintain. It is not expected that the expansion of operations at the facility will give rise to nuisance's offsite.

### Vermin and Pest Control

Control of rodents is a mandatory prerequisite for any waste management facility and strict mitigation measures will adhered to control vermin and pests on the site. A Pest control



system is currently in place with eleven bait points positioned around the facility. The bait stations are monitored by on-site staff and vermin is monitored during daily facility inspections as per the Environmental Management System (EMS) for the facility. At present these control measures are considered sufficient as there is no vermin activity on-site. If vermin are found present at the facility an external contractor can be employed at the facility.

### **Dust**

Waste handling operations on the site ensure that all tipping of waste occurs within the buildings where possible and any dust emissions are therefore contained. Dust curtains will be installed on the entry/exit points to the proposed shed to minimise fugitive dust emissions. The negative extraction odour control with bio filter unit will result in the removal of dust particles from the air in the building before it is released through the bed or stack. In dry weather the yard will be sprayed with water and as when required to minimise airborne dust nuisance. OTCL will implement additional dust monitoring and control procedures at the facility as per the monitoring requirements of the EPA licence.

Waste at the Bring Centre will be stored in enclosed containers and monitored daily to ensure it is not giving rise to dust at the facility. Dry dusty materials will be dampened down where necessary. Dust monitoring is ongoing at the facility and all dust emissions are within the necessary limits. This monitoring will continue to be conducted.

### **Odour**

Odour is the most significant potential environmental impact of this proposed development. Therefore OTCL have undertaken a number of mitigation measures to minimise any impact. The primary mitigation measure is the proposed odour control system which is based on bio-filters and will be a simple and effective way of controlling the odour of the waste air coming from the buildings. OTCL have a mobile atomised probe unit at the facility. This unit is a self-contained transportable system which is powered by a motor and disperses odour neutraliser to give immediate odour suppression to confined areas if odour is detected. Other measures include:

- Ensuring where possible that the building is constructed without any gaps in the building fabric using combined flashing and expanding foam,
- Installation of roller doors on the entrance and exit of the waste reception hall,
- Give consideration to the installation of PVC plastic curtains inside the doors to reduce the available door area once the roller door is opened if necessary,
- Zoned extraction within the building to remove odorous air from the most odorous sources within the building.

As all processes will take place in a fully enclosed building which will be kept under negative air pressure at all times it will therefore avoid any odour nuisance. An odour dispersion model was carried out by RPS Consulting Engineers and predicts that the emissions from the proposed development will not give rise to reasonable cause for odour annoyance once the proposed mitigation measures are put in place.

### **Litter**

Vehicles entering the site have the potential to cause a litter nuisance. Litter procedures are currently in place to prevent litter nuisance at the facility or in the immediate area of the facility. Site practices for the proposed development will include the following;



- The road network is kept free from debris caused by vehicles entering or leaving the facility, any debris is removed immediately.
- Daily litter patrols of the overall site and the access roads are carried out.
- Waste collection vehicles entering and exiting the facility will be covered to prevent any fugitive litter.

## **Water**

An environmental assessment was carried out by Enviroguide Consulting to determine the impact that this proposed development would have on surface and ground water. The geology was examined with all published information that was available.

This section is divided into sub-sections, so as to describe the various aspects relating to the water environment.

### **Surface Water**

This section deals with the potential impacts on surface water resulting from the construction of an extension at the waste facility and the proposed control measures to minimise such an impact.

All surface water from the facility runs to a stream that runs along the eastern boundary of the site. This stream flows into the Burren River. As the facility is currently operational surface water sampling is carried out at two locations on this stream. Results of this sampling is included in the main body of the EIS. All results are below recommended EPA's Interim Guidelines limit levels. ('Towards Setting Guideline Values for the Protection of Groundwater in Ireland' – EPA 1993)

### **Groundwater**

There are no proposed discharges to ground water from the facility. There are no source protected zones in the vicinity of this facility. All liquids and fuels stored on-site are stored in bunded containers to prevent penetration to ground water in the event of a spillage. Concrete hardstand at the facility and the underlying bedrock act as protection barriers to groundwater.

### **Waste Water**

Wastewater from the operation of the facility is collected in holding tanks on-site. This wastewater is either reused in the composting process for moisture in the composting tunnels or it will be tankered offsite to an approved waste water treatment plant. Foul water discharges from the offices is diverted to a septic tank on-site.

During the construction phase there is a potential for sediment laden water to run off from the site. Due to control measures on-site the predicted impact of the construction phase on surface water quality is minimal.

Surface water monitoring is proposed to continue at the facility to ensure that the operation of the facility does not cause any adverse effects on water quality.



## Human Beings

Human beings are one of the most important elements of the 'environment' to be considered. One of the principal concerns in any proposed development is that the local population experiences no reduction in the quality of life as a result of the development on either a permanent or temporary basis. As the facility is currently operational it is expected that any impacts on human beings will be minimal.

The facility is located just off the N80 main Carlow to Wexford road. The nearest dwelling is approximately 170 meters to the south. The facility has a low visibility impact on the residents due to the screening surround the site. Potential impacts could include impacts on noise, traffic, fire safety, human health, land use, odour and socio-economic impacts.

Due to the location of the facility and considering that it is currently operational, and has been since 2005, the predicted impacts on noise, traffic, safety, human health, land use, odour and socio-economic impacts are considered to be of negligible. Several fire safety measures have been implemented at the subject site to control any potential impacts in the unlikely event that a fire would occur at the facility. These controls include six 5,000 gallon (22,000 litre) water tanks for holding water specifically for firefighting purposes. Appropriate fire extinguishers have been installed at various points throughout the facility so that fires can be extinguished rapidly to limit fire damage.

## Air Quality

This section of the EIS outlines the current baseline conditions of air quality at the facility. Possible predicted impacts from the proposed increased activity at the facility are odour, dust and bio-aerosols. All wastes are processed within the facility buildings which will reduce the potential of these impacts. In addition to this, a bio-filter has been installed in the waste composting building and a new bio-filter will be constructed pending final grant of planning permission. This bio-filter will greatly eliminate any odour, dust or bioaerosol particles that may be otherwise emitted from the building. As part of the proposed extension to the waste transfer building it is proposed to install a bio-filter in this building also to minimise dust and odour impacts. With these control measures in place the impact to air quality is considered negligible. An Air Dispersion Model was prepared by RPS consulting to predict possible patters of air dispersions from the facility. A copy of this report is included in the EIS document Appendix 4.

## Climate

30 year averages for the site (from Kilkenny weather station) show the following relevant information:

1. The mean daily temperature is 9.3 degrees Celsius with a mean daily maximum of 13.4 degrees C and a mean daily minimum of 5.2 degrees C.
2. The mean annual rainfall is 822.8 mm
3. The mean monthly windspeed is 6.5 knots.

Given the above it is determined that the climate for the area of Ballintrane is regarded as normal with no exceptional values shown.

Carbon dioxide from the processing of biodegradable waste is not regarded as a net contributor to greenhouse gas emissions because the carbon had a short carbon cycle in



other words it was stored in the biomass for a limited number of years as opposed to the hundreds of thousands of years for fossil fuels.

Similarly the processing of MSW and removal of all biodegradable waste from this waste stream will reduce the potential for methane generation should residual amounts of this material be landfilled prior to this treatment. This process therefore has a slightly positive impact on the climate.

As the impacts of the current and future activities will have a positive impact on climate no mitigation measures are required.

### **Traffic**

The facility is located on the main N80 Carlow to Wexford Road. A Traffic Impact Assessment was carried out to determine the impacts the proposed increased activity would have on overall traffic volumes. The survey indicated that the annual average daily traffic on the west (Carlow) side of the facility is 4,292 vehicles per day with a HGV content of 8.6%. The average daily traffic on the east (Wexford) side of the facility is 4,089 vehicles per day with a 9.7% HGV content. While it is predicted that the traffic to and from the facility will increase as a result of the proposed expansion of activities at the facility, the overall increase in traffic is less than 1% of the current traffic volumes.

The entrance to the facility is located off a local access road (Jock's Lane) just off the N80 roadway. There will be no queuing of vehicles on the main roadway. Safe sightline visibility exist to allow for safe access and egress from the junction.

### **Noise**

The main source of noise at the facility is the background noise created from traffic movement on the N80 roadway. However day and night time monitoring is carried out at the facility on an annual basis. All noise limits are within the recommended noise limits. Full copies of the noise reports are included as part of the EIS document.

### **Flora & Fauna**

An assessment of flora and fauna was carried out at the facility. The existing flora on site is limited due to the extent of the existing hardstanding area. However within the small areas of managed grassland there are several dominant grass species. The surrounding land is used exclusively for agriculture with fields immediately adjacent to the facility.

Due to the developed nature of the facility there is a lack of Fauna species. Fauna present on the site are mainly birds using the hedgerows adjacent to the site doe shelter or winter roosts. None of the bird species identified are a protected species.

The survey found that there were no sensitive or protected flora or fauna present at the site. In addition there are no significant additional groundworks proposed as part of the application therefore it is considered that there will be no resulting impacts on flora or fauna.

### **Soil & Geology**

Published geological information for the site identifies the bedrock as Caledonian Granite. There are no geological features of significance either at or beneath the site and therefore the proposed development will have little or no impact on local geology.



The site and its immediate surrounds have historically been used for agricultural grazing and it is not expected that there is potential for previous contamination of the subsurface.

There will be no discharges to the subsoil as part of this proposal and therefore no impacts to the underlying subsurface. There will be no extraction or removal of sub-soils. The potential interaction with groundwater is low due to the low porosity of granite.

Mitigation measures will include the storage of all liquids, fuels etc. in appropriate bunds.

### **Cultural Heritage**

There are no known sites of archaeological interest located in the environs of the site and there are no additional excavation groundworks proposed as part of the development. Therefore there will be no impact on archaeology in the area. None of the archaeological sites identified in the EIS can be seen from anywhere within the development site and as such the proposed development will not result in any negative visual impact to these features.

The proposed development will not impact on features or events of historical interest.

There are no structures of archaeological interest located in the defined study area and as such there will not be any negative impact resulting from the proposed development.

### **Material Assets**

The facility is not designated as a Natural Heritage Area or Special Area of Conservation.

Property prices are expected to be unaffected by the proposed development as the facility has been in operation since 2005. The extra traffic movements may cause very slight disruption to road users but this is expected to be countered by the extra employment created at the site.

### **Interaction of the Foregoing**

#### ***Human Beings/Fauna***

Waste facilities have the potential to attract unwanted fauna such as rats, flies, and birds. Mitigation measures to protect against these potential impacts are proposed in the EIS, after which effects on the local community are expected to be insignificant.

#### ***Human Beings/Water***

Mitigation measures to address potential impacts on water quality are addressed in the chapters dealing with Soils and Geology and Hydrology.

#### ***Water/Flora and Fauna***

Contamination of surface water has the potential to impact on water quality of streams and rivers. This impact has the potential to affect the aquatic life of these water courses. Mitigation measures are detailed in the relevant chapters.



**Water/Soil**

Soil beneath the site can act as a pathway for contaminants reaching both the groundwater and surface water. Mitigation measures and monitoring controls are detailed in the relevant chapters.

The facility will be operated to the Best Available Technology (BAT) as per EPA recommendations and under the conditions of the Industrial Emissions Licence.

The EPA carry out regular environmental audits and compliance monitoring is carried out by both the Agency and the licensee. These reports are available to the public and will allay any public concerns regarding the environmental performance of the site and will result in a positive interaction with respect to human beings.

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