An Roinn Talmhaíochta, Bia agus Mara
Department of Agriculture, Food and the Marine

First Stage Application Form Composting Plant

Information Note

Please note the following:

- In order to build a composting plant an operator must comply with the European Communities (Animal By-Products) Regulations 2014 (S.I. No. 187 of 2014), Regulation (EC) No. 1069/2009 and Regulation (EU) No. 142/2011.

- *'CN10 – Approval and operation of composting plants transforming Animal By-Products in Ireland'* which can be found here and must be read before completing this application form.

- All personal data processed by the Department of Agriculture, Food and the Marine will take place in accordance with the law on Data Protection and will only be for the purposes connected to the functions of this Department. More information can be found here.

- **Please note**: The application form must be completed by the 'operator'. The operator is defined as 'the natural or legal persons having an animal by-product or derived product under their actual control, including carriers, traders and users'.

- Three copies of the completed application form and maps should be sent to: Department of Agriculture Food and the Marine, Milk and Meat Hygiene/ABP/TSE Division, (Animal by-Products Section), Grattan House, Grattan Business Centre, Dublin Road, Portlaoise, Co Laois, R32 RY6V.

- ***Applications that are incomplete, that contain insufficient or unsatisfactory information or that do not comply with conditions or legislative requirements will be returned to the applicant and a revised, fully completed application must be re-submitted.***

Issued 28th November 2014
Milk & Meat Hygiene/ABP/TSE Division

An Roinn Talmhaíochta, Bia agus Mara
Department of Agriculture, Food and the Marine

Application form to treat Animal by-Products in a Composting plant under the European Union (Animal By-Products) Regulations 2014 (S.I. No. 187 of 2014) and in accordance with Regulation (EC) No. 1069 of 2009 and Regulation (EU) No. 142 of 2011

1. Applicant/Operator* Details

Full Name:

Address:

Eircode:

Phone Number (Landline): **Phone Number (Mobile):**

Email Address:

Company Registration Number or PPS Number:

VAT Number:

Is/are there currently a herd number(s) registered in the applicant name? **Yes** **No**

If yes, give herd no(s) and the full address(es) of holding(s), including county

Herd Number:

Holding Address:

Eircode:

Signature of Applicant (operator):

*The applicant must be the operator. *'Operator' means the natural or legal persons having an animal by-product or derived product under their actual control, including carriers, traders and users. Where the Operator is a corporate entity, the person signing the application must be in a position of authority that he/she can bind the company.*

Print Name:

Position within the plant:

Phone Number (Landline): **Phone Number (Mobile):**

Email address:

Date:

DAFM SHOULD BE NOTIFIED IMMEDIATELY OF ANY CHANGES TO THE ABOVE INFORMATION

2. Plant Details

Plant Name:	
Plant Address:	
Eircode:	
Phone Number (Landline):	**Phone Number (Mobile):**
Email Address:	

3. Consultant Details (if applicable)

Consultant Name:	
Consultant Address:	
Eircode:	
Phone Number (Landline):	**Phone Number (Mobile):**
Email Address:	

4. Name, Address and details of person for correspondence:

Name:	
Address:	
Eircode:	
Phone Number (Landline):	**Phone Number (Mobile):**
Email Address:	

5. PLANT LOCATION

(a) National grid co-ordinates (XY) of the plant:

(b) Provide the following maps, plans and drawings:

- an ordinance survey map (1:30,000 -50,000) (A3) of the area in which the plant is located, indicating the plant location on the map.

- a rural place map (1:10,000-12,000) (A3) indicating on the map
  - the plant site
  - the access route to the plant from the public road
  - the current use of the neighbouring land, e.g. farming, forestry, industrial etc
  - the distance from the plant to other premises/farms where farmed animals are kept

- a rural place map (1:2,500) (A3) indicating clearly on the map
  - the plant perimeter fence and access gates/access points to the plant
  - the general plant layout (building/structure labelling not required)

- a site plan (1: 500-750) (A3) indicating the following on the plan
  - the intake/reception area/s
  - the particle sizing and particle verification equipment location/s where required
  - the area where the transformation parameters are achieved, i.e. the composting reactor/s
  - microbiological sampling points for both E.Coli and Salmonella
  - the maturation area
  - storage structures/areas (please detail whether the storage area is enclosed)
  - the plant office
  - personnel changing and washing facilities
  - footbath points
  - other structures on site and identification of same
  - the designated area for cleaning and disinfection of vehicles and wheel-wash location
  - the 'dirty' area where untransformed feedstocks are received (red area), 'intermediate' area in plants transforming to national transformation parameters (amber area) and clean area where material has been transformed to the transformation parameter (green area).

- a site plan or plans (1: 500-750) (A3) indicating the following flow plans clearly on the plan/s *(where a single plan is used, different flow plans should be shown using different coloured lines)*

  - a flow plan for feedstock through the plant from intake through to dispatch for both animal by-product and non- animal by-product materials

  - a flow plan for oversize material/screening material/failed batches(both pasteurisation and microbiological test failures)

- a personnel flow plan
- machinery flow plans, including delivery, collection vehicles and on site vehicles
- a leachate and waste water flow plan

- a sectional drawing of the feedstock reception building at the intake area

(c) Describe how the dirty, intermediate and clean areas are physically separated so as to ensure that cross-contamination and by-pass is prevented.

(d) Provide a description of the wheel-wash and vehicle cleaning area, and plans of same where relevant.

(e) Provide information on how and where waste water and leachate will be collected, stored, and reused/disposed off

(f) Provide detail of the perimeter fence specifications

(g) Is the proposed plant located on a farm? **Yes** ☐ **No** ☐

If yes, is the proposed plant located on the applicant's farm? **Yes** ☐ **No** ☐

If not the applicant's farm, what is the name, address and herd number of the person keeping farm animals at this location?

6. TRANSFORMATION

6.1 Feedstock

6.1.1 What is the maximum feedstock tonnage capacity for the plant per annum? ☐

6.1.2. 'Own ABP'

Will 'own ABP' be used in the plant? **Yes** ☐ **No** ☐

(a) Describe what animal by-product material 'own ABP' will comprise of ;

(b) Please state the herd number(s) from which "own ABP" will be derived.

(c) Maximum amount in tonnes of 'own ABP' which will be used in the plant per annum

6.1.3. Other feedstocks

(d) Maximum quantity of non-ABP feedstock which will be used in the plant per annum

(e) Maximum quantity of ABP feedstock other than 'own ABP' which will be used in the plant per annum

(f) Details of feedstock which the plant intends to accept and transform.

	Type of feedstock	**Yes**	**No**	**Maximum quantity in tonnes which will be used in the plant per annum**
	Category 2			
(i)	Category 2 Digestive tract content	☐	☐	
(ii)	Category 2 milk	☐	☐	
(iii)	Category 2 milk based products	☐	☐	
(iv)	Category 2 colostrum	☐	☐	
(v)	Category 2 eggs and egg products	☐	☐	
(vi)	Category 2 material originating from aquatic animals	☐	☐	
	Category 3			
(vii)	Category 3 catering waste other than catering waste from means of transport operating internationally which is Category 1 material. Catering waste is defined as "all waste food including used cooking oil originating in restaurants, catering facilities and kitchens, including central kitchens and household kitchens"	☐	☐	
(viii)	Category 3 products of animal origin, or foodstuffs containing products of animal origin, which are no longer intended for human consumption for commercial reasons or due to problems of manufacturing or packaging defects or other defects from which no risk to public or animal health arise;	☐	☐	

	Type of feedstock	**Yes**	**No**	**Maximum quantity in tonnes which will be used in the plant per annum**
(ix)	Category 3 animal by-products from poultry and lagomorphs slaughtered on the farm as referred to in Article 1(3)(d) of Regulation (EC) No 853/2004, which did not show any signs of disease communicable to humans or animals;	☐	☐	
(x)	Category 3 blood of animals which did not show any signs of disease communicable through blood to humans or animals obtained from the following animals that have been slaughtered in a slaughterhouse after having been considered fit for slaughter for human consumption following an ante-mortem inspection in accordance with Community legislation: i. animals other than ruminants requiring TSE testing, and ii. ruminants which have been tested with a negative result in accordance with Article 6(1) of Regulation (EC) No 999/2001;	☐	☐	
(xi)	Category 3 animal by-products arising from the production of products intended for human consumption, including degreased bones, greaves and centrifuge or separator sludge from milk processing;	☐	☐	
(xii)	Category 3 carcases and the following parts originating either from animals that have been slaughtered in a slaughterhouse and were considered fit for slaughter for human consumption following an ante-mortem inspection or bodies and the following parts of animals from game killed for human consumption in accordance with Community legislation: i. carcases or bodies and parts of animals which are rejected as unfit for human consumption in accordance with Community legislation, but which did not show any signs of disease communicable to humans or animals; ii. heads of poultry; iii. hides and skins, including trimmings and splitting thereof, horns and feet, including the phalanges and the carpus and metacarpus bones, tarsus and metatarsus bones, of: - animals, other than ruminants requiring TSE testing, and -ruminants which have been tested with a negative result in accordance with Article 6(1) of Regulation (EC) No 999/2001; -pig bristles; -feathers;	☐	☐	

	Type of feedstock	**Yes**	**No**	**Maximum quantity in tonnes which will be used in the plant per annum**
(xiii)	Category 3 petfood and feedingstuffs of animal origin, or feedingstuffs containing animal by-products or derived products, which are no longer intended for feeding for commercial reasons or due to problems of manufacturing or packaging defects or other defects from which no risk to public or animal health arises;	☐	☐	
(xiv)	Category 3 blood, placenta, wool, feathers, hair, horns, hoof cuts and raw milk originating from live animals that did not show any signs of disease communicable through that product to humans or animals	☐	☐	
(xv)	Category 3 aquatic animals, and parts of such animals, except sea mammals, which did not show any signs of disease communicable to humans or animals	☐	☐	
(xvi)	Category 3 animal by-products from aquatic animals originating from establishments or Plants manufacturing products for human consumption;	☐	☐	
(xvii)	Category 3 material originating from animals which did not show any signs of disease communicable through that material to humans or animals: i. shells from shellfish with soft tissue or flesh; ii. the following originating from terrestrial animals: - hatchery by-products, - eggs, - egg by-products, including egg shells, iii. day-old chicks killed for commercial reasons;	☐	☐	
(xviii)	Category 3 aquatic and terrestrial invertebrates other than species pathogenic to humans or animals;	☐	☐	
(xix)	Category 3 animals and parts thereof of the zoological orders of Rodentia and Lagomorpha, except Category 1 material as referred to in Article 8(a)(iii), (iv) and (v) and Category 2 material as referred to in Article 9(a) to (g)of Regulation (EC) No. 1069/2009;	☐	☐	
(xx)	Category 3 hides and skins, hooves, feathers, wool, horns, hair and fur originating from dead animals that did not show any signs of disease communicable through that product to humans or animals, other than those referred to in point (b) of Article 10 of Regulation (EC) No. 1069/2009	☐	☐	

	Type of feedstock	**Yes**	**No**	**Maximum quantity in tonnes which will be used in the plant per annum**
(xxi)	Category 3 carcases and parts of animals slaughtered or, in the case of game, bodies or parts of animals killed, and which are fit for human consumption in accordance with Community legislation, but are not intended for human consumption for commercial reasons	☐	☐	
	Derived Product Feedstocks	☐	☐	
(xxii)	Processed animal protein (PAP) from approved Category 3 rendering plant/s or approved Category 3 PAP store/s.	☐	☐	
(xxiii)	Fishmeal from approved category 3 rendering plant/s or approved Category 3 PAP store/s.	☐	☐	
(xxiv)	ABP feedstocks that have undergone pasteurisation/hygienisation in another approved plant.	☐	☐	
(xxv)	Processed Category 3 material (methods 1-5 or 7)	☐	☐	
(xxvi)	Processed category 3 material originating from aquatic animals (methods 1-7)	☐	☐	

(g) Non-animal by-product material **(***Please specify types and quantities of each type*)

Type of Feedstock	**Maximum Quantity in Tonnes to be Used in the Plant per annum**

6.2 Transformation Parameters and Plant Type

Transformation Parameter	Plant type	Time	Temperature	Particle Size	(Please tick the relevant box)
EU parameter	1	60 mins	70 degrees C	= or <12mm	☐
National parameter	2	48 hrs twice	60 degrees C	= or <400mm	☐
No specific transformation parameter	3	N/A	N/A	N/A	☐
No specific transformation parameter	4	N/A	N/A	N/A	☐
Alternative transformation parameters	5	Will be determined pre-validation	Will be determined pre-validation	Will be determined pre-validation	☐
No specific transformation parameter	8	N/A	N/A	N/A	☐

7. PLANT OPERATION

Provide a detailed description of the plant operation, from feedstock acceptance through to end-product dispatch.

7.1 Technology/Equipment

7.1.1 General information

a) Will the plant be equipped with a closed composting reactor?
Yes ☐ No ☐ N/A ☐

b) Will the composting reactor be operated on a batch basis?
Yes ☐ No ☐ N/A ☐

c) Will the particle size be achieved prior to entry into the composting reactor?
Yes ☐ No ☐ N/A ☐

d) Will the plant have particle sizing equipment which will ensure that the required particle size will be met consistently and reliably?
Yes ☐ No ☐ N/A ☐

e) Will the plant have particle size verification equipment in order to verify feedstock particle size prior to entry into the composting reactor?
Yes ☐ No ☐ N/A ☐

f) In plants transforming to the national transformation parameters, will the feedstock be mixed thoroughly between the two pasteurisation stages?
Yes ☐ No ☐ N/A ☐

g) Will the composting reactor be equipped with sufficient probes to provide evidence that all the material is kept above the minimum required temperature for the specified time?

Yes ☐ No ☐ N/A ☐

h) Will the temperature probes be located so as to ensure that only temperatures representative of the feedstock material will be measured?

Yes ☐ No ☐ N/A ☐

i) Will temperature probes, the recording system and thermographs be tamperproof?

Yes ☐ No ☐ N/A ☐

j) Will a live and real time thermograph be produced from the temperature probe readings?

Yes ☐ No ☐ N/A ☐

k) Will temperatures be recorded at not more than 5 minute intervals in plants operating to the EU parameters or at not more than 30 minute intervals in plants operating to the national parameters?

Yes ☐ No ☐ N/A ☐

l) Will the plant be equipped with an adequate safety system to prevent insufficient heating?

Please provide detail:

Composting plants

m) In the case of composting plants, will the aeration system be such so as to enable required temperatures to be met in all parts of the composting reactor?

Yes ☐ No ☐ N/A ☐

7.1.2 Provide a detailed description of the technology/equipment which will be used in order to:

(a) achieve the particle size of feedstock, where applicable (i.e. particle sizing equipment)

(b) verify the particle size of feedstock, where applicable (i.e. particle verification equipment)

(c) achieve the time/temperature parameters where applicable – i.e. description of the composting reactor and how it will operate, including detail on the aeration system and, the temperature monitoring system;

(d) record the time/temperature parameters (live and real time thermographs must be produced)

8. PRODUCT END-USE

Please indicate where and how the end-product will be used

Where:	**Yes**	**No**
Used within the Republic of Ireland	☐	☐
Traded within the EU	☐	☐
Exported to third countries	☐	☐
How:		
Direct landspread on own land	☐	☐
Direct landspread on land within the Republic of Ireland	☐	☐
Direct landspread on land outside the Republic of Ireland	☐	☐
Horticultural/landscaping use	☐	☐
Supplied to the retail market directly or indirectly, i.e. garden centres, retail outlets	☐	☐
Other - please provide detail:		

9. OTHER RELEVANT INFORMATION

Please provide any other information considered relevant to your application

DECLARATION

I, the undersigned declare that the information provided here, and the supporting documentation is correct to the best of my knowledge and belief. I understand that I must comply with the conditions of any approval granted to me.

Signature:		**Date:**	
Print Name:		**Title:**	

CONTACT DETAILS

For Further Information contact:

Department of Agriculture, Food and the Marine,
Milk and Meat Hygiene/ABP/TSE Division,
(Animal By-Products Section),
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