

Director Waterford City Council- Environment City Hall The Mall Waterford

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire

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17 December, 2012

W0234 - 02

Dear Director,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the review, pursuant to Article 15 of the Regulations, which provides as follows:

Extract from the Waste Management (Licensing) Regulations

Submissions to the Agency regarding applications.

- 15. For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in relation to -
 - (i) an application, and
 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
 - (b) notice in accordance with Article 16(2)(a), or
 - (c) acknowledgement in accordance with Article 16(4),
 - whichever such date is the later.

The application and associated correspondence, including the acknowledgements and notifications referred to in Article 15, are available to view on the Agency Website at www.epa.ie/licensing.

The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review.

In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours sincerely,

Ann Kehoe

Programme Officer

Office of Climate, Licensing & Resource Use





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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

THIRD SCHEDULE
Waste Disposal Activities
D 1 Deposit into or on to land (e.g. landfill, etc.)
<u>D 2</u> Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
D3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
<u>D 4</u> Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> Release into a water body except seas/oceans
<u>D 7</u> Release to seas/oceans including sea-bed insertion
D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
 D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

FOURTH SCHEDULE

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
 - 0.65 for installations permitted after 31 December 2008,

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

where -

'Ep' means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),

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- <u>R 4</u> Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- <u>R 7</u> Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- <u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
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Mr. Michael Walsh
Director
Waterford City Council
City Hall
The Mall
Waterford
Attn: Mr Michael Walsh, Planning, Cluture & Human Resources

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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Yours sincerely,

Ann Kehoe

Programme Officer

Office of Climate, Licensing & Resource Use



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City Hall The Mall Waterford

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D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
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D8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D I to D 12
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D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
<u>D 12</u> Permanent storage (e.g. emplacement of containers in a mine, etc.)
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Mr. Christopher O'Sullivan Senior Executive Engineer, Sanitary Services Waterford City Council City Hall The Mall Waterford Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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17 December, 2012

W0234 - 02

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Yours sincerely,

Ann Kehoe

Programme Officer

Office of Climate, Licensing & Resource Use









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Mr. Gavin McGuire Environmental Health Officer Health Service Executive (South) 2nd Floor, Oak House Lime Tree Avenue, Millennium Park Naas, County Kildare Att. Mr. Gavin McGuire Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"



Secretary
An Taisce - The National Trust for Ireland
The Tailor's Hall
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LoCall: 1890 33 55 99

17 December, 2012

W0234 - 02

Dear Secretary,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the review, pursuant to Article 15 of the Regulations, which provides as follows:

Extract from the Waste Management (Licensing) Regulations

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- 15. For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in relation to -
 - (i) an application, and
 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
 - (b) notice in accordance with Article 16(2)(a), or
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In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours sincerely,

Programme Officer

Office of Climate, Licensing & Resource Use









Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

THIRD SCHEDULE
Waste Disposal Activities
D 1 Deposit into or on to land (e.g. landfill, etc.)
D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
<u>D 3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
<u>D 4</u> Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
<u>D 5</u> Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> Release into a water body except seas/oceans
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D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
<u>D 15</u> Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

FOURTH SCHEDULE

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
 - 0.65 for installations permitted after 31 December 2008,

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

where -

'Ep' means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),

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- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- <u>R 4</u> Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
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- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
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Minister Simon Coveney, TD
Department of Agriculture, Food and the Marine
Agriculture House
Kildare Street
Dublin 2
Att Simon Coveney T.D.

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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LoCall: 1890 33 55 99

17 December, 2012

W0234 - 02

Dear Minister Coveney, TD,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

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 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
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whichever such date is the later.

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The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review.

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If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

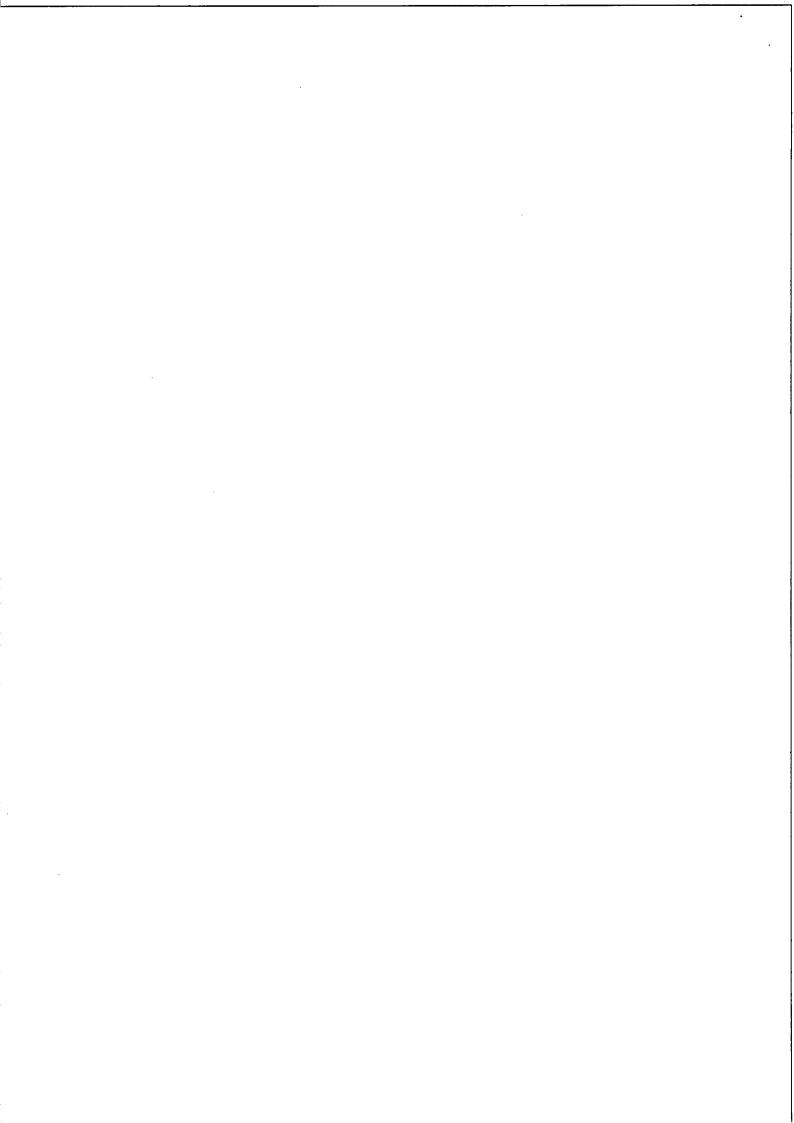
Yours sincerely,

Ann Kehoe Programme Officer

Office of Climate, Licensing & Resource Use









An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

THIRD SCHEDULE
Waste Disposal Activities
D 1 Deposit into or on to land (e.g. landfill, etc.)
<u>D 2</u> Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
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<u>D 4</u> Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> Release into a water body except seas/oceans
<u>D 7</u> Release to seas/oceans including sea-bed insertion
D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D I to D I2 (e.g. evaporation, drying, calcination, etc.)
D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

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Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
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- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
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- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
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Mr. Aidan Dunning Secretary General Dept of Communications, Energy & Natural Resources 29-31 Adelaide Road Dublin 2 Attn: Mr. Dunning Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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LoCall: 1890 33 55 99

17 December, 2012

W0234 - 02

Dear Mr. Dunning,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

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Yours sincerely,

Ann Kehoe

Programme Officer









Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

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- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
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Development Applications Unit The Department of Arts, Heritage & the Gaeltacht Newtown Road Wexford Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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17 December, 2012

W0234 - 02

LoCall: 1890 33 55 99

Dear Sir/Madam.

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Ann Kehoe

Programme Officer









Waste Management Licensing

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Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

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- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- <u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10
- R 12 Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"



Mr. Pat Gilheaney
The Manager
Development Applications Unit
Department of Environment, Community & Local Government
Newtown Road
Wexford
Attn: Mr Gilheaney

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17 December, 2012

W0234 - 02

Dear Mr. Gilheaney,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the review, pursuant to Article 15 of the Regulations, which provides as follows:

Extract from the Waste Management (Licensing) Regulations

Submissions to the Agency regarding applications.

- 15. For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in relation to -
 - (i) an application, and
 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
 - (b) notice in accordance with Article 16(2)(a), or
 - (c) acknowledgement in accordance with Article 16(4),

whichever such date is the later.

The application and associated correspondence, including the acknowledgements and notifications referred to in Article 15, are available to view on the Agency Website at www.epa.ie/licensing.

The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review.

In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours sincerely.

And Kehoe

Programme Officer







Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

bij(1	THIRD SCHEDULE
j	Waste Disposal Activities
<u>]</u>	D 1 Deposit into or on to land (e.g. landfill, etc.)
]	D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
]	D 3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
]	D 4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
Ţ	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>]</u>	D 6 Release into a water body except seas/oceans
Ī	O 7 Release to seas/oceans including sea-bed insertion
<u>I</u>	D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
Ī	Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
Ī	O 10 Incineration on land
Ī	D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
Ī	O 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
Ī	D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
Ι	D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
<u>r</u>	D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
 - 0.65 for installations permitted after 31 December 2008.

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

where -

'Ep' means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),

'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),

'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),

'Ei' means annual energy imported excluding Ew and Ef(GJ/year),

'0.97' is a factor accounting for energy losses due to bottom ash and radiation.

R 2 Solvent reclamation/regeneration

- <u>R 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- <u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- R 12 Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"



α



Mr. Paddy Mathews Manager of Environment & Planning Failte Ireland Environment Unit 88-95 Amiens Street Dublin I Attn: Mr. Paddy Matthews

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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17 December, 2012

W0234 - 02

Dear Mr. Mathews,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

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Submissions to the Agency regarding applications.

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 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
 - (b) notice in accordance with Article 16(2)(a), or
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The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review.

In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours sincerely,

Ann Kehoe

Programme Officer









Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

THIRD SCHEDULE
Waste Disposal Activities
D 1 Deposit into or on to land (e.g. landfill, etc.)
D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
<u>D3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
<u>D 4</u> Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
<u>D 5</u> Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> Release into a water body except seas/oceans
<u>D 7</u> Release to seas/oceans including sea-bed insertion
D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
<u>D 10</u> Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
<u>D 15</u> Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
 - 0.65 for installations permitted after 31 December 2008,

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

where -

'Ep' means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),

 $^{\circ}$ Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),

'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),

'Ei' means annual energy imported excluding Ew and Ef(GJ/year),

'0.97' is a factor accounting for energy losses due to bottom ash and radiation.

R 2 Solvent reclamation/regeneration

- R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- <u>R 8</u> Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- R11 Use of waste obtained from any of the operations numbered R1 to R10
- <u>R 12</u> Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"





Dr. Greg Forde River Basin District Director Inland Fisheries Ireland Teach Breac Earl's Island County Galway Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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17 December, 2012

W0234 - 02

Dear Dr. Forde,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the review, pursuant to Article 15 of the Regulations, which provides as follows:

Extract from the Waste Management (Licensing) Regulations

Submissions to the Agency regarding applications.

- 15. For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in relation to -
 - (i) an application, and
 - such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
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 - (c) acknowledgement in accordance with Article 16(4),

whichever such date is the later.

The application and associated correspondence, including the acknowledgements and notifications referred to in Article 15, are available to view on the Agency Website at www.epa.ie/licensing.

The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review.

In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours sincerely,

Aid Kehoe

Programme Officer









Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

The applicant has specified the following as the principal activity: R.3/

THIRD SCHEDULE

 D 1 Deposit into or on to land (e.g. landfill, etc.) D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.) D 3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.) D 4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.) D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.) D 6 Release into a water body except seas/oceans D 7 Release to seas/oceans including sea-bed insertion
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D 7 Release to seas/oceans including sea-bed insertion
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<u>D 8</u> Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009.
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using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

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<u>R 2</u> Solvent reclamation/regeneration

- <u>R 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
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Dr Noel Culleton Head of Centre Teagasc Johnstown Castle Research Centre Johnstown Castle Estate County Wexford Attn. Dr Noel Culleton Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland

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17 December, 2012

W0234 - 02

Dear Dr Culleton,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

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Yours sincerely,

Ann Kehoe

Programme Officer







Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

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National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

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'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),

'Ei' means annual energy imported excluding Ew and Ef(GJ/year),

'0.97' is a factor accounting for energy losses due to bottom ash and radiation.

<u>R 2</u> Solvent reclamation/regeneration

- <u>R 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- <u>R 7</u> Recovery of components used for pollution abatement
- Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- <u>R 12</u> Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"



For the attention of Alice Doherty/Tara Horigan Health & Safety Authority chemicals@hsa.ie

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W: www.epa.ie LoCall: 1890 33 55 99

17 December, 2012

W0234 - 02

Dear HSA,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, 1 am to inform you of the receipt on 17 December, 2012, of documentation relating to a review application from Waterford City Council in relation to a facility/premises located at Waterford City Composting Facility Green Road, Kilbarry, Six Cross Roads Business Park, Waterford City. This application has been assigned register number W0234 - 02. Further details in relation to the application are supplied on the accompanying attachment.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the review, pursuant to Article 15 of the Regulations, which provides as follows:

Extract from the Waste Management (Licensing) Regulations

Submissions to the Agency regarding applications.

- 15. For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in relation to -
 - (i) an application, and
 - (ii) such plans, documents and other information and particulars, including an environmental impact statement, as are submitted by the applicant in accordance with Articles 12, 13, 14 and 16, and the Agency shall not give notice of a proposed decision under Section 42(2) of the Acts before the expiry of a period of one month following the date of a relevant –
 - (a) acknowledgement in accordance with Article 14(2)(a), or
 - (b) notice in accordance with Article 16(2)(a), or
 - (c) acknowledgement in accordance with Article 16(4),

whichever such date is the later.

The application and associated correspondence, including the acknowledgements and notifications referred to in Article 15, are available to view on the Agency Website at www.epa.ie/licensing.

The Agency will have regard to any submission made in accordance with the Regulations and will write, in due course, to each person who makes such a submission, to advise them of the Agency's proposed decision on the review

In accordance with Article 22(1)(b) of the Waste Management (Licensing) Regulations, the Agency will write to you to inform you of its proposed decision on the review in due course.

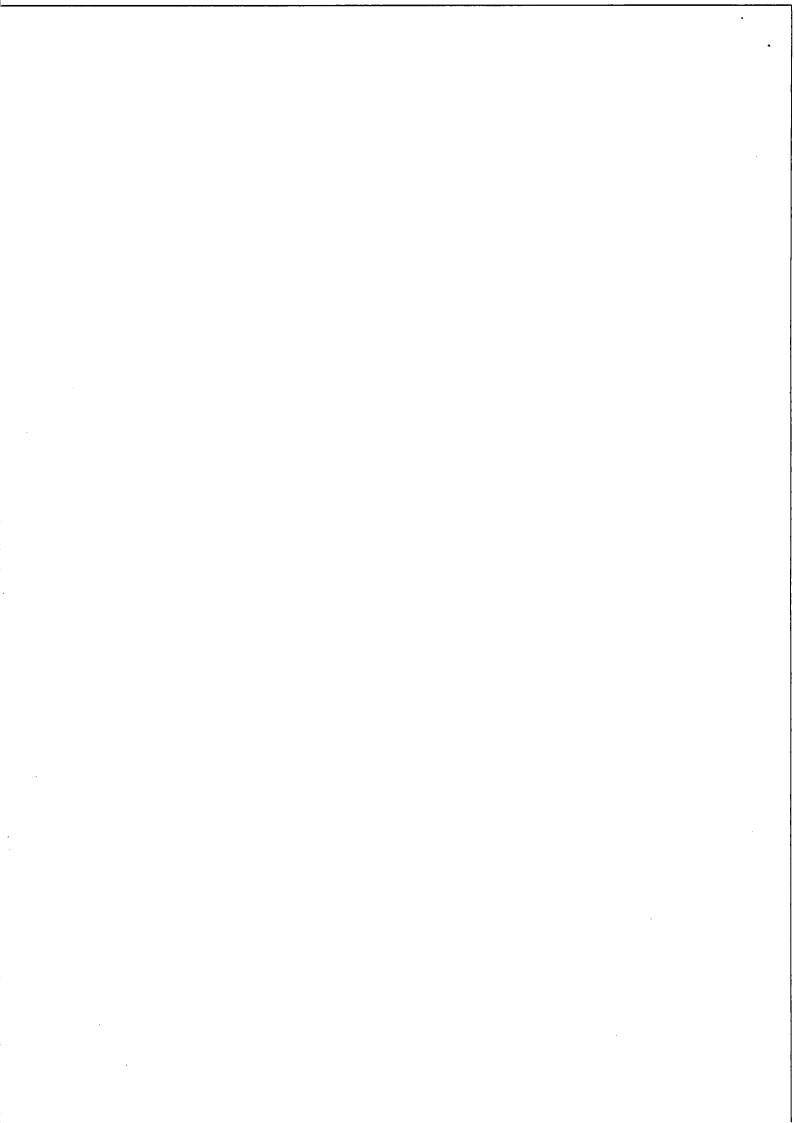
If you have no comments to make in relation to this application, there is no requirement for you to reply to this letter.

Yours, sincerely,

Programme Officer









Waste Management Licensing

Details of Review Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 17 December 2012.

Application Reference/ Register No.: W0234-02

Applicant Name/ Address:

Waterford City Council

City Hall The Mall Waterford

Name & Location of Facility/ Premises

concerned:

Waterford City Composting Facility, Green Road, Kilbarry, Six Cross Roads

Business Park, Waterford City

National grid reference of facility/ Premises

2582 1096

Third Schedule Class/es: 4, 13, 15/ Fourth Schedule Class/es: 1, 3, 12, 13/

THIRD SCHEDULE
Waste Disposal Activities
D 1 Deposit into or on to land (e.g. landfill, etc.)
<u>D 2</u> Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
<u>D 3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
D 4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> Release into a water body except seas/oceans
<u>D 7</u> Release to seas/oceans including sea-bed insertion
D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
D 10 Incineration on land
D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)
D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
 - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
 - 0.65 for installations permitted after 31 December 2008,

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

Energy efficiency = (Ep - (Ef + Ei)/(0.97x(Ew+Ef))

where -

- 'Ep' means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),
 - 'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),
 - 'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),
 - 'Ei' means annual energy imported excluding Ew and Ef(GJ/year),
 - '0.97' is a factor accounting for energy losses due to bottom ash and radiation.

<u>R 2</u> Solvent reclamation/regeneration

- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- <u>R 7</u> Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- <u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10
- <u>R 12</u> Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"