Environmental Protection Agency

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

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

27 April, 2012

Mr. Martin Riordan

Cork County Council

County Manager

Inniscara

Cork

#### W0107 - 03

Dear Mr. Riordan,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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.

Attn: Ms Sharon Corcoran, Director of Services

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, (EIS if relevant) 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

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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

Note: The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

Waste Disposal Activities

<u>D 1</u> Deposit into or on to land (e.g. landfill, etc.)

<u>D2</u> 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.)

D4 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>D6</u> Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D 9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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

Vaste k	Recovery Activities
	Jse 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 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> S	olvent 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
<u>R 4</u> R	ecycling/reclamation of metals and metal compounds
	Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
<u>R 6</u> R	egeneration of acids or bases
<u>R 7</u> R	ecovery of components used for pollution abatement
<u>R 8</u> R	ecovery of components from catalysts
<u>R 9</u> C	il re-refining or other reuses of oil
<u>R 10</u>	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
	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, amon 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)
	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)"



1. 6

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

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

Mr. Louis Duffy Director of Services Cork County Council Inniscara Cork Attn: Ms Sharon Corcoran, Director of Services

27 April, 2012

#### W0107 - 03

Dear Mr. Duffy,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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

- (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, (EIS if relevant) 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

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 27 April 2012.

#### Application Reference/ Register No.: W0107-03

Applicant Name/ Address:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

*Note:* The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

# Waste Disposal Activities

<u>D 1</u> 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>D3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)

D4 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.)

 $\underline{D6}$  Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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

ROURTHSCHEDULE
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
<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
<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
<u>R 6</u> Regeneration of acids or bases
<u>R 7</u> Recovery of components used for pollution abatement
<u>R 8</u> Recovery of components from catalysts
<u>R 9</u> Oil re-refining or other reuses of oil
<u>R 10</u> 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)
R 13 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)"

۰.

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

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

nvironmental Protection Agency

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

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

#### 27 April, 2012

#### W0107 - 03

Dear Mr. McGuire,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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

- (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, (EIS if relevant) 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 epa epa

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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

*Note:* The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

# Waste Disposal Activities

<u>D 1</u> 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>D3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)

D4 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

 $\underline{D7}$  Release to seas/oceans including sea-bed insertion

- **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 1 to D 12
- <u>D 9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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)

<u>D 14</u> Repackaging prior to submission to any of the operations numbered D 1 to D 13

JFOURTHISCHEDULE.
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
<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
<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
<u>R 6</u> Regeneration of acids or bases
<u>R 7</u> Recovery of components used for pollution abatement
<u>R 8</u> Recovery of components from catalysts
<u>R 9</u> Oil re-refining or other reuses of oil
<u>R 10</u> 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)"

.

..

nvironmental Protection Agency

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

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

+353 53 9160600 +353 53 9160699 info@epa.ie F-W: www.epa.ie

LoCall: 1890 33 55 99

Secretary An Taisce - The National Trust for Ireland The Tailor's Hall Back Lane Dublin 8

27 April, 2012

#### W0107 - 03

Dear Secretary,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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.

For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in 15. relation to -

(i) an application, and

such plans, documents and other information and particulars, including an environmental impact (ii) 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 -

- acknowledgement in accordance with Article 14(2)(a), or
- (a) notice in accordance with Article 16(2)(a), or
- (b)
- (c) acknowledgement in accordance with Article 16(4),

whichever such date is the later.

The application, (EIS if relevant) 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 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 27 April 2012.

Application Reference/ Register No.: W0107-03

Applicant Name/ Address:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

Note: The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/-

	TEHIRD	SCHEDU	IEIE CARACTER	
Waste Disposal Activities	 	. p .		

<u>D 1</u> Deposit into or on to land (e.g. landfill, etc.)

<u>D2</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.)

D4 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.)

 $\underline{D6}$  Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D 9</u> 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)

<u>D 12</u> Permanent storage (e.g. emplacement of containers in a mine, etc.)

<u>D 13</u> 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

'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),	aste Reco	ROURTH SCHEDULE
<ul> <li>0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,</li> <li>0.65 for installations permitted after 31 December 2008,</li> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)/ (0.97x(Ew+Ef))</li> <li>where -</li> <li>'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),</li> <li>'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy inported excluding Ew and Ef(GJ/year),</li> <li>'Eo' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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 conditioning, repeakaging, co</li></ul>	<u>R 1</u> Use	principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to th
<ul> <li>January 2009,</li> <li>- 0.65 for installations permitted after 31 December 2008,</li> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)/ (0.97x(Ew+Ef) where -</li> <li>'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),</li> <li>'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'Eo' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent 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</li> <li>R.4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.6 Regovery of components from catalysts</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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, among others, adving, scheding, conditioning, reparking, compating, epletising, drying, shredding, conditioning, reparking, compating, epletising, drying, shredding, conditioning, reparking, compating, epletising, drying, shredding, conditioning, reparking, compating, epletising, d</li></ul>	•	
<ul> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)' (0.97x(Ew+Ef) where -</li> <li>'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),</li> <li>'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R 9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>R 12 Exchange of waste obtained from 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, conditioning, repackaging,</li> </ul>		
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),         'Ew' 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 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_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         R_12       Exchange of waste obtained from any of the operations	-	-
<ul> <li>where – <ul> <li>'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),</li> <li>'EF means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Ew' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> </ul> </li> <li>R_2 Solvent reclamation/regeneration</li> <li>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</li> <li>R_4 Recycling/reclamation of metals and metal compounds</li> <li>R_5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R_6 Regeneration of acids or bases</li> <li>R_7 Recovery of components from catalysts</li> <li>R_9 Oil re-refining or other results of or pollution abatement</li> <li>R_10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R_11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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 preliming, pelletisting, drying, shredding, conditioning, repackaging,</li> </ul>		
<ul> <li>'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),</li> <li>'Er' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Eu' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from 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 or processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	-	Energy efficiency = $(Ef - (Ef + Ei)/(0.97x(Ew+Ef)))$
<ul> <li>electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),</li> <li>'Ef' means annual energy contained in the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R2 Solvent reclamation/regeneration</li> <li>R3 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</li> <li>R4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R6 Regeneration of acids or bases</li> <li>R.7 Recovery of components from catalysts</li> <li>R9 Oil re-refining or other reuses of oil</li> <li>R10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R11 Use of waste obtained from 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 or including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		where –
<ul> <li>(GJ/year),</li> <li>'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> </ul> R2 Solvent reclamation/regeneration R3 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 R4 Recycling/reclamation of metals and metal compounds R5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials R2 Oil re-refining or other reuses of oil R10 Land treatment resulting in benefit to agriculture or ecological improvement R11 Use of waste obtained from 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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	tan Tan ka sa	'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),
<ul> <li>the waste (GJ/year),</li> <li>'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from 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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging.</li> </ul>		
<ul> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from 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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	· ·	'Ew' means annual energy contained in the treated waste calculated using the net calorific value o the waste (GJ/year),
<ul> <li><u>R 2</u> Solvent reclamation/regeneration</li> <li><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</li> <li><u>R 4</u> Recycling/reclamation of metals and metal compounds</li> <li><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</li> <li><u>R 6</u> Regeneration of acids or bases</li> <li><u>R 7</u> Recovery of components used for pollution abatement</li> <li><u>R 8</u> Recovery of components from catalysts</li> <li><u>R 9</u> Oil re-refining or other reuses of oil</li> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><u>R 12</u> Exchange of waste for submission to any of the operations prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging.</li> </ul>		'Ei' means annual energy imported excluding Ew and Ef(GJ/year),
<ul> <li><u>R 2</u> Solvent reclamation/regeneration</li> <li><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</li> <li><u>R 4</u> Recycling/reclamation of metals and metal compounds</li> <li><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</li> <li><u>R 6</u> Regeneration of acids or bases</li> <li><u>R 7</u> Recovery of components used for pollution abatement</li> <li><u>R 8</u> Recovery of components from catalysts</li> <li><u>R 9</u> Oil re-refining or other reuses of oil</li> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><u>R 12</u> Exchange of waste for submission to any of the operations prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging.</li> </ul>		'0.97' is a factor accounting for energy losses due to bottom ash and radiation.
<ul> <li>R 5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R 6 Regeneration of acids or bases</li> <li>R 7 Recovery of components used for pollution abatement</li> <li>R 8 Recovery of components from catalysts</li> <li>R 9 Oil re-refining or other reuses of oil</li> <li>R 10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R 11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	biol	ogical transformation processes), which includes gasification and pyrolisis using the components as
soil and recycling of inorganic construction materials <u>R 6</u> Regeneration of acids or bases <u>R 7</u> Recovery of components used for pollution abatement <u>R 8</u> Recovery of components from catalysts <u>R 9</u> Oil re-refining or other reuses of oil <u>R 10</u> 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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 4</u> Recyc	ling/reclamation of metals and metal compounds
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         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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,		
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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 6</u> Reger	neration of acids or bases
<ul> <li><u>R 9</u> Oil re-refining or other reuses of oil</li> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	<u>R 7</u> Recov	very of components used for pollution abatement
<ul> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	<u>R 8</u> Recov	very of components from catalysts
<ul> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	<u>R 9</u> Oil re	-refining or other reuses of oil
<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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 10</u> Land	l treatment resulting in benefit to agriculture or ecological improvement
appropriate, this can include preliminary operations prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 11</u> Use	of waste obtained from any of the operations numbered R 1 to R 10
	appr othe	opriate, this can include preliminary operations prior to recovery including pre-processing such as, among rs, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,

Environmental Protection Agency An Ghniomhaireacht um Chaamhaú Comhshaoil

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

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

Mr. Aidan Dunning Secretary General Dept of Communications, Energy & Natural Resources 29-31 Adelaide Road Dublin 2 Attn: Mr. Dunning

27 April, 2012

#### W0107 - 03

Dear Mr. Dunning,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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, (EIS if relevant) 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

Ann Kenoe Programme Officer Office of Climate, Licensing & Resource Use epa

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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

*Note:* The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

# Waste Disposal Activities

<u>D1</u> 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>D3</u> Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)

D4 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.)

 $\underline{D6}$  Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D 9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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)

<u>D 14</u> Repackaging prior to submission to any of the operations numbered D 1 to D 13

<ul> <li>R1 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 -</li> <li>0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,</li> <li>0.65 for installations permitted after 31 December 2008,</li> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)/ (0.97x(Ew+Ef) where -</li> <li>'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),</li> </ul>	Vasto Ro	covery Activities
<ul> <li>processing of municipal solid waste only where their energy efficiency is equal to or above - <ul> <li>0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,</li> <li>0.65 for installations permitted after 31 December 2008,</li> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)/ (0.97x(Ew+Ef) where - <ul> <li>'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),</li> <li>'Ep' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),'Ei' means annual energy contained in the treated waste calculated using the net calorific value o the waste (GJ/year),'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> </ul> </li> <li><b>8.2</b> Solvent 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</li> <li><b>8.4</b> Recycling/reclamation of metals and metal compounds</li> <li><b>8.5</b>. Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li><b>8.6</b> Regeneration of acids or bases</li> <li><b>8.7</b>. Recovery of components from catalysts</li> <li><b>8.9</b> Oil re-refining or other reuses of oil</li> <li><b>8.10</b> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><b>8.11</b> Use of waste obtained from 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 includi</li></ul></li></ul>		
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), 'Ei' means annual energy contained in the treated waste calculated using the net calorific value o the waste (GJ/year), 'Ei' means annual energy imported excluding Ew and Ef(GJ/year), '0.977' 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 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 sued for pollution abatement R.8 Recovery of components from catalysts R.2 O II 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 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including, conditioning, repackaging, others, others, ecoling, ecolining, compacing, pelletising, dying, schedding, conditioning, repackaging, others, others, ecoling, ecolining, compacing, pelletising, dying, schedding, conditioning, repackaging, others, others, ecoling, ecolining, compacing, pelletisty, dying, schedding, conditioning, repackagi		
<ul> <li>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:</li> <li>Energy efficiency = (Ep - (Ef + Ei)' (0.97x(Ew+Ef) where –</li> <li>'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(GI/year),</li> <li>'Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</li> <li>'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Ew' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>R.12 Exchange of waste obtained from 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, among others, dismantling, sorting, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		
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         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         R_5       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 from catalysts         R_9       Oil re-refining or other 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       Exchang		- 0.65 for installations permitted after 31 December 2008,
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(GI/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),         'EW' 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.         R2 Solvent reclamation/regeneration         R3       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         R4       Recycling/reclamation of metals and metal compounds         R.5       Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials         R6       Regeneration of acids or bases         R.7       Recovery of components from catalysts         R.9       Oil re-refining or other results 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         R.12       Exchange of waste for submi		
<ul> <li><sup>1</sup>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),</li> <li><sup>1</sup>Ef' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li><sup>1</sup>Ew' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li><sup>1</sup>0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R2 Solvent reclamation/regeneration</li> <li>R3 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</li> <li>R4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R6 Regeneration of acids or bases</li> <li>R.7 Recovery of components from catalysts</li> <li>R9 Oil re-refining or other reuses of oil</li> <li>R10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>R12 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 processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, stredding, conditioning, repackaging,</li> </ul>		Energy efficiency = $(Ep - (Ef + Ei)/(0.97x(Ew+Ef)))$
<ul> <li>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 o 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.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		where –
<ul> <li>(GJ/year),</li> <li>'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</li> <li>'Ei' means annual energy imported excluding Ew and Ef(GJ/year),</li> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.2 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste for submission to any of the operations numbered R 1 to R 10</li> <li>R.12 Exchange of waste for submission to any of the operations prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, comparing, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		
<ul> <li>the waste (GJ/year),</li></ul>		•••
<ul> <li>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</li> <li>R.2 Solvent reclamation/regeneration</li> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging.</li> </ul>		'Ew' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),
<ul> <li><u>R 2</u> Solvent reclamation/regeneration</li> <li><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</li> <li><u>R 4</u> Recycling/reclamation of metals and metal compounds</li> <li><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</li> <li><u>R 6</u> Regeneration of acids or bases</li> <li><u>R 7</u> Recovery of components used for pollution abatement</li> <li><u>R 8</u> Recovery of components from catalysts</li> <li><u>R 9</u> Oil re-refining or other reuses of oil</li> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><u>R 12</u> Exchange of waste for submission to any of the operations prior to recovery including pre-processing such as among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		'Ei' means annual energy imported excluding Ew and Ef(GJ/year),
<ul> <li>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</li> <li>R.4 Recycling/reclamation of metals and metal compounds</li> <li>R.5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials</li> <li>R.6 Regeneration of acids or bases</li> <li>R.7 Recovery of components used for pollution abatement</li> <li>R.8 Recovery of components from catalysts</li> <li>R.9 Oil re-refining or other reuses of oil</li> <li>R.10 Land treatment resulting in benefit to agriculture or ecological improvement</li> <li>R.11 Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li>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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>		'0.97' is a factor accounting for energy losses due to bottom ash and radiation.
biological transformation processes), which includes gasification and pyrolisis using the components as chemicals         R_4 Recycling/reclamation of metals and metal compounds         R_5       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         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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 2</u> Sol	vent reclamation/regeneration
<ul> <li><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</li> <li><u>R 6</u> Regeneration of acids or bases</li> <li><u>R 7</u> Recovery of components used for pollution abatement</li> <li><u>R 8</u> Recovery of components from catalysts</li> <li><u>R 9</u> Oil re-refining or other reuses of oil</li> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	bi	ological transformation processes), which includes gasification and pyrolisis using the components as
soil and recycling of inorganic construction materials <u>R 6</u> Regeneration of acids or bases <u>R 7</u> Recovery of components used for pollution abatement <u>R 8</u> Recovery of components from catalysts <u>R 9</u> Oil re-refining or other reuses of oil <u>R 10</u> 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 prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 4</u> Ree	cycling/reclamation of metals and metal compounds
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         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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,		
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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 6</u> Reg	generation of acids or bases
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         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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 7</u> Red	covery of components used for pollution abatement
<ul> <li><u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement</li> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	<u>R 8</u> Rec	covery of components from catalysts
<ul> <li><u>R 11</u> Use of waste obtained from any of the operations numbered R 1 to R 10</li> <li><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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,</li> </ul>	<u>R 9</u> Oil	re-refining or other reuses of oil
<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, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 10</u> La	and treatment resulting in benefit to agriculture or ecological improvement
appropriate, this can include preliminary operations prior to recovery including pre-processing such as, among others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,	<u>R 11</u> U	se of waste obtained from any of the operations numbered R 1 to R 10
	ar ot	propriate, this can include preliminary operations prior to recovery including pre-processing such as, among hers, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging,

Headquarters, PO Box 3000 Johnstown Castle Estate

vironmental Protection Agency

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

County Wexford, Ireland

LoCall: 1890 33 55 99

Department of Environment, Community & Local Government Newtown Road Wexford

27 April, 2012

Mr. Pat Gilheaney

**Development Applications Unit** 

The Manager

#### W0107 - 03

Dear Mr. Gilheaney,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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, (EIS if relevant) 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 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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

*Note:* The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

# THIRDSCHEDUEL

<u>D 1</u> Deposit into or on to land (e.g. landfill, etc.)

Waste Disposal Activities

<u>D2</u> 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.)

D4 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.)

 $\underline{D6}$  Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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

FOURTHSCHEDULE
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
<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
<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
<u>R 6</u> Regeneration of acids or bases
<u>R 7</u> Recovery of components used for pollution abatement
<u>R 8</u> Recovery of components from catalysts
<u>R 9</u> Oil re-refining or other reuses of oil
<u>R 10</u> 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)
R 13 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)"

ж.

Mr. Paddy Mathews Manager of Environment & Planning Failte Ireland Environment Unit 88-95 Amiens Street Dublin 1 Attn: Mr. Paddy Matthews COO Environmental Protection Agency An Ghniomhaireacht um Chaomhai Comhshaoil

> Headquarters, PO Box 3000 Johnstown Cästle Estate County Wexford, Ireland

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

#### 27 April, 2012

#### W0107 - 03

Dear Mr. Mathews,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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
- (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. (EIS if relevant) 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 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 27 April 2012.

Application Reference/ Register No.: W0107-03

Applicant Name/ Address:

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork, 179000 95800

National grid reference of facility/ Premises

. .

Note: The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

#### THIRD SCHEDULE AND THIRD SCHEDULE

Waste Disposal Activities

D1 Deposit into or on to land (e.g. landfill, etc.)

<u>D2</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>D4</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.)

D6 Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <u>D8</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
- <u>D 9</u> 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

<u>D11</u> 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.)

<u>D 13</u> 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

FOURTHSCHEDUGE	
Vaste Recovery Activities	
<u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated processing of municipal solid waste only where their energy efficiency is equal to or above -	to the
- 0.60 for installations in operation and permitted in accordance with applicable Community acts befor January 2009,	ore 1
- 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/y	/ear),
'Ef' means annual energy input to the system from fuels contributing to the production of ste (GJ/year),	eam
'Ew' means annual energy contained in the treated waste calculated using the net calorific va the waste (GJ/year),	alue of
'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 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and o biological transformation processes), which includes gasification and pyrolisis using the components as chemicals	ther
<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 soil and recycling of inorganic construction materials	the
<u>R 6</u> Regeneration of acids or bases	
<u>R 7</u> Recovery of components used for pollution abatement	
<u>R 8</u> Recovery of components from catalysts	•
<u>R 9</u> Oil re-refining or other reuses of oil	
<u>R 10</u> 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 c appropriate, this can include preliminary operations prior to recovery including pre-processing such as, a others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackag separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)	mong
P 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (heir	



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

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

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

+353 53 9160600 +353 53 9160699 info@epa.ie W: www.epa.ie LoCall: 1890 33 55 99

27 April, 2012

#### W0107 - 03

Dear Sir/Madam.

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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 (ii) 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 -

acknowledgement in accordance with Article 14(2)(a), or (a)

- (b) notice in accordance with Article 16(2)(a), or
- acknowledgement in accordance with Article 16(4), (c)

whichever such date is the later.

The application, (EIS if relevant) 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 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 27 April 2012.

Application Reference/ Register No.: W0107-03

Applicant Name/ Address:

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

Note: The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

# TEHIRD/SCHIDULE

Waste Disposal Activities

<u>D 1</u> 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.)

D4 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.)

 $\underline{D6}$  Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D 9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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

Waste Re	EOURTH SCHEDUEE
<u>R 1</u> U	se principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the rocessing 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> So	lvent reclamation/regeneration
b	ecycling/reclamation of organic substances which are not used as solvents (including composting and other iological transformation processes), which includes gasification and pyrolisis using the components as hemicals
<u>R 4</u> Re	cycling/reclamation of metals and metal compounds
	ecycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the oil and recycling of inorganic construction materials
<u>R 6</u> Re	generation of acids or bases
<u>R 7</u> Re	covery of components used for pollution abatement
<u>R 8</u> Re	covery of components from catalysts
<u>R 9</u> Oi	re-refining or other reuses of oil
<u>R 10</u> L	and treatment resulting in benefit to agriculture or ecological improvement
<u>R 11</u> U	se of waste obtained from any of the operations numbered R 1 to R 10
aj o	xchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code ppropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongs thers, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, eparating, 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

# vironmental Protection Agency

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

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

+353 53 9160600 +353 53 9160699 info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

27 April, 2012

#### W0107 - 03

Dear Dr. Forde,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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.

For the purpose of Section 40(2)(b) of the Acts, a person may make a written submission to the Agency in 15. relation to -

(i) an application, and

such plans, documents and other information and particulars, including an environmental impact (ii) 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 acknowledgement in accordance with Article 14(2)(a), or (a)
- notice in accordance with Article 16(2)(a), or
- (b)
- acknowledgement in accordance with Article 16(4), (c)

whichever such date is the later.

The application, (EIS if relevant) 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

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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Waste Recovery Services (Fermoy) Limited Cullenagh Fermoy Co Cork

Name & Location of Facility/ Premises concerned:

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

Note: The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/ The applicant has specified the following as the principal activity: R.5/

	SCHEDUKES		
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.)

D4 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

- <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
- <u>D 9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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)

D14 Repackaging prior to submission to any of the operations numbered D1 to D13

IROURTH SCHEDURE
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
'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
<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
<u>R 6</u> Regeneration of acids or bases
<u>R 7</u> Recovery of components used for pollution abatement
<u>R 8</u> Recovery of components from catalysts
<u>R 9</u> Oil re-refining or other reuses of oil
<u>R 10</u> 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)"

Dr Noel Culleton Head of Centre Teagasc Johnstown Castle Research Centre Johnstown Castle Estate County Wexford Attn. Dr Noel Culleton CPC Environmental Protection Agency

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

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

T: +353 53 9160600 F: +353 53 9160699 E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

27 April, 2012

#### W0107 - 03

Dear Dr Culleton,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 27 April, 2012, of documentation relating to a review application from Waste Recovery Services (Fermoy) Limited in relation to a facility/premises located at Waste Recovery Services (Fermoy) Limited Cullenagh, Fermoy, County Cork. This application has been assigned register number W0107 - 03. 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

expire 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, (EIS if relevant) 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

Č)

Agency

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 27 April 2012.

Application Reference/ Register No.: W0107-03

**Applicant Name/ Address:** 

Name & Location of Facility/ Premises

concerned:

Cullenagh Fermoy Co Cork

Waste Recovery Services (Fermoy)

Waste Recovery Services (Fermoy) Limited, Cullenagh, Fermoy, County Cork,

National grid reference of facility/ Premises

179000 95800

Limited

*Note:* The class or classes of activity concerned in this application are detailed on the reverse.

Third Schedule Class/es: 13, 14, 15/

Fourth Schedule Class/es: 3, 4, 5, 11, 12, 13/

The applicant has specified the following as the principal activity: R.5/

#### THIRDSCHEDULL

Waste Disposal Activities

<u>D 1</u> Deposit into or on to land (e.g. landfill, etc.)

<u>D2</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.)

<u>D4</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

D7 Release to seas/oceans including sea-bed insertion

- <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
- <u>D9</u> 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

<u>D 11</u> 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.)

<u>D 13</u> 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

KOURTHSCHEDUEF
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 = $(Ef + Ei)/(0.97x(Ew+Ef))$
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
<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
<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
<u>R 6</u> Regeneration of acids or bases
<u>R 7</u> Recovery of components used for pollution abatement
<u>R 8</u> Recovery of components from catalysts
<u>R 9</u> Oil re-refining or other reuses of oil
<u>R 10</u> 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)