

Mr Paddy Browne
Head of Crops, Environment & Land Use
Teagasc
Johnstown Castle Research Centre
Johnstown Castle Estate
County Wexford
Attention: Mr Paddy Browne

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

W0293 - 01

+353 53 9160600

+353 53 9160699

: info@epa.ie

Dear Mr Browne,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to indicating \$0030556 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in relation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow, . This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 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 application.

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 application 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.

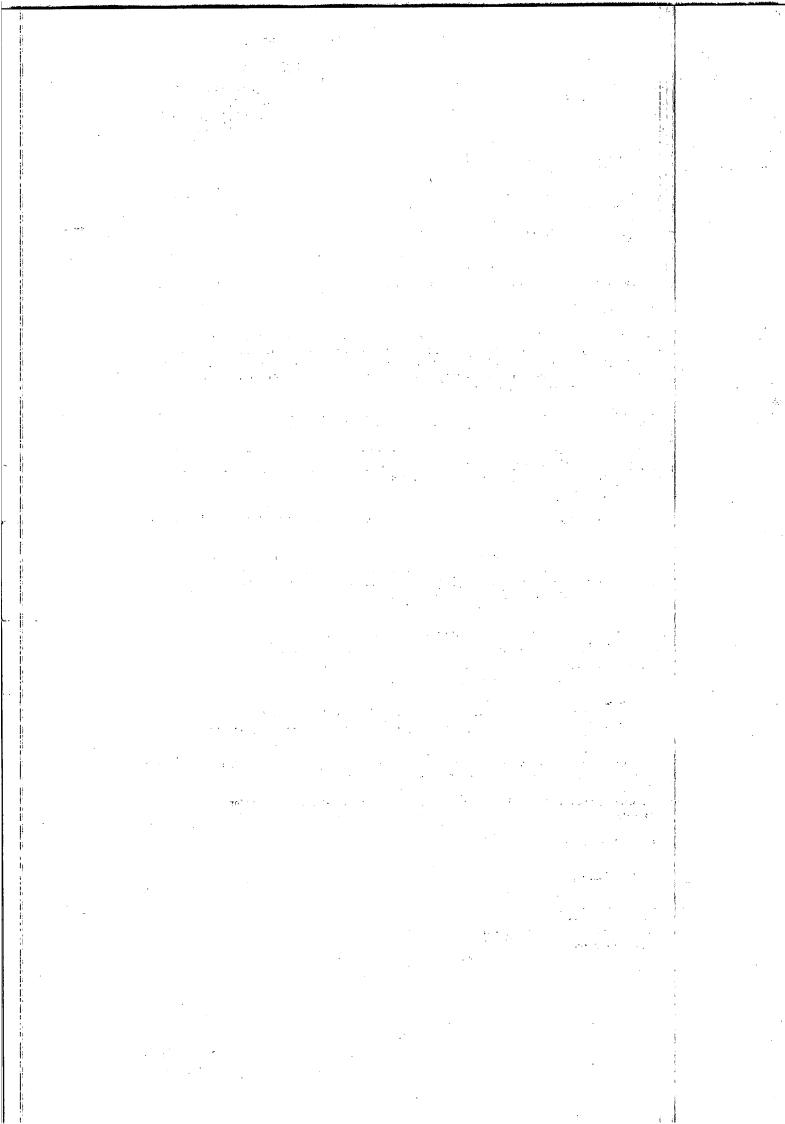
Poslay Kacrey

Programme Officer

Environmental Licensing Programme
Office of Environmental Sustainability









An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

Waste Recovery Activities

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

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

where -

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

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R 2 Solvent reclamation/regeneration

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



Dr. Greg Forde River Basin District Director Inland Fisheries Ireland 3044 Lake Drive City West Business Campus Dublin 24 Attn: Dr Greg Forde

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

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Yours sincerely.

Programme Officer

Postan Kacrey

Environmental Licensing Programme

Office of Environmental Sustainability







An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

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Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

Calary Quarry, Killough Upper and

Glencap Commons Upper,

Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

FOURTH SCHEDULE

Waste Recovery Activities

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

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

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),

Eff means annual energy input to the system from fuels contributing to the production of steam (GJ/year).

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- R 2 Solvent reclamation/regeneration
- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- <u>R 4</u> Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
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- R 8 Recovery of components from catalysts
- \underline{R} 9 Oil re-refining or other reuses of oil
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- 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)"

. : *



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

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

27 July, 2016

W0293 - 01

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

Dear Sir/Madam,

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

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

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Submissions to the Agency regarding applications.

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

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Yours sincerely.

(b)

Programme Officer

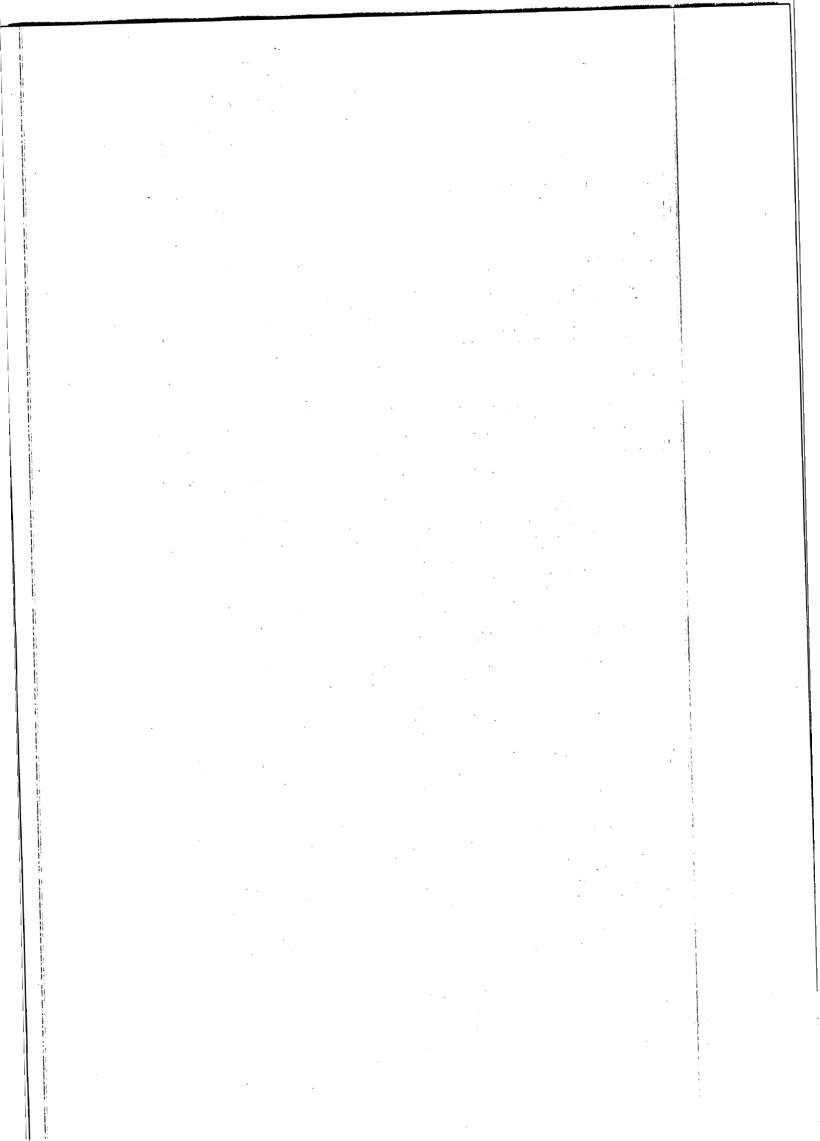
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Environmental Licensing Programme

Office of Environmental Sustainability









An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste

Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

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Third Schedule Class/es:

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

<u>D 1</u> Deposit int	o or on to land (e.g. landfill, etc.)	
D 2 Land treate	ment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)	
D 3 Deep inje	ction (e.g. injection of pumpable discards into wells, salt domes or naturally occurr	ring repositories
<u>D 4</u> Surface in	npoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons	s, etc.)
	engineered landfill (e.g. placement into lined discrete cells which are capped and ind the environment, etc.)	solated from on
<u>D 6</u> Release int	o a water body except seas/oceans	
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Waste Recovery Activities

- <u>R 1</u> Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -
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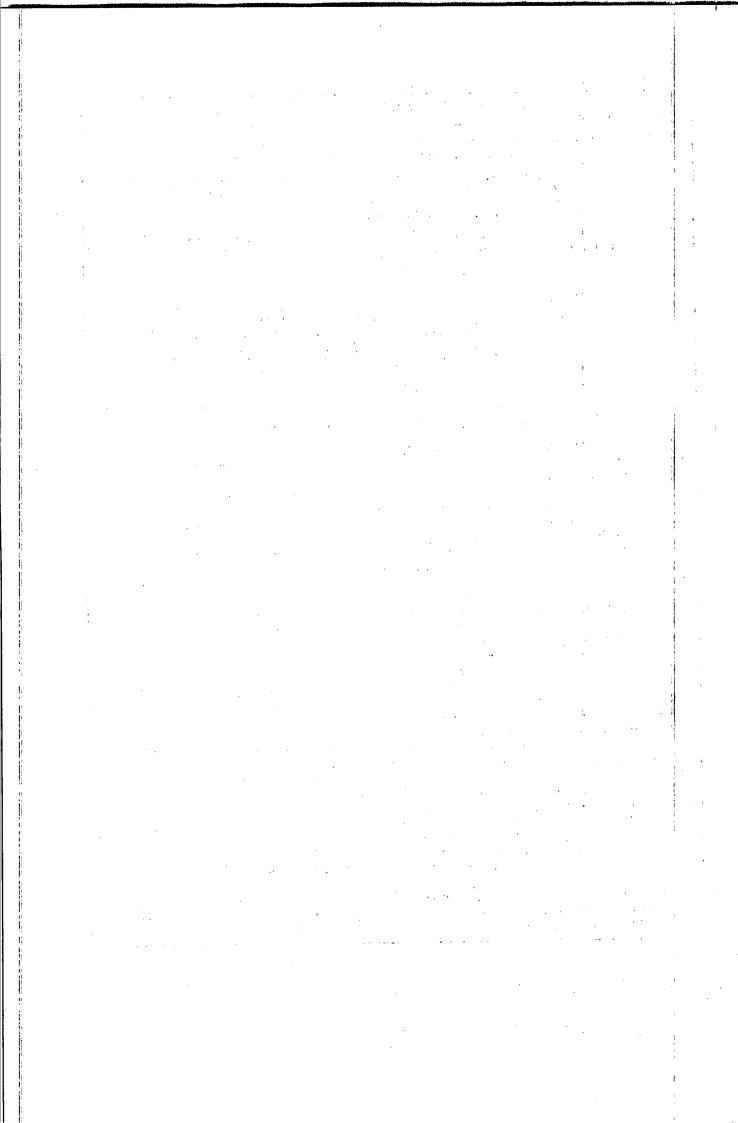
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R 2 Solvent reclamation/regeneration

- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
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Mr. Paddy Mathews Manager of Environment & Planning Failte Ireland Environment Unit 88-95 Amiens Street Dublin I Attn: Mr. Paddy Matthews

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

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27 July. 2016

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W: www.epa.ie

Dear Mr. Mathews.

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform 1803355188 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in relation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow, . This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

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Yours sincerely,

Programme Officer

Poslag Kacrey

Environmental Licensing Programme

Office of Environmental Sustainability



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An Ghniomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

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National grid reference of facility/ Premises

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

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<u>D 2</u> L	and 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 repositetc.)	oriés,
<u>D4</u> :	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)	1
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<u>D 6</u> R	elease into a water body except seas/oceans	
<u>D 7</u> R	elease 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 mixt which are discarded by means of any of the operations numbered D I to D 12	ures
<u>D 9</u>	Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds 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.)	
	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not code appropriate, this can include preliminary operations prior to disposal including pre-processing such amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separation to submission to any of the operations numbered D1 to D12)	ch as,
<u>D 14</u>	Repackaging prior to submission to any of the operations numbered D 1 to D 13	,
	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being prel storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where waste is produced).	
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FOURTHISCHEDULE

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 I 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),

*Eff 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),

10.97° is a factor accounting for energy losses due to bottom ash and radiation.

R 2 Solvent reclamation/regeneration

- R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- <u>R 7</u> Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- <u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- <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)"

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Development Applications Unit Department of Arts, Heritage and the Gaeltacht fem.dau@ahg.gov.ie

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

27 July, 2016

W0293 - 01

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

Dear Sir/Madam,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to informs 3019 800 800 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in 1800 1800 to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacaning Commons Upper, Kilmacan

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 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 application.

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 application in due course.

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

Yours sincerely,

Programme Officer

Pooley Kegrey

Environmental Licensing Programme Office of Environmental Sustainability



An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste

Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

Calary Quarry, Killough Upper and

Glencap Commons Upper,

Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

Waste Recovery Activities

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

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

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

where -

- *Ep* means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),
 - 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),
 - 10.97° is a factor accounting for energy losses due to bottom ash and radiation.

R 2 Solvent reclamation/regeneration

- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- <u>R 4</u> Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- <u>R 8</u> Recovery of components from catalysts
- \underline{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, 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)



Dept of Environment, Community & Local Government Newtown Road Wexford Sorcha.Byrne@environ.ie

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

27 July, 2016

W0293 - 01

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

Dear Sir/Madam,

+353 53 9160600 In accordance with Article 18(1) of the Waste Management (Licensing) Regulations. I am to F: +353 53 9160699 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone with the paralation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. This application has been assigned register number W0293 - 01. Further details ነናት የተጀመረት የተመሰመ የመደረሻ የመ application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 relation to -

(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 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 application.

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 application in due course.

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

Yours sincerely,

Programme Officer

Poolog Lacrey

Environmental Licensing Programme

Office of Environmental Sustainability





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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01__

"Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

Calary Quarry, Killough Upper and

Glencap Commons Upper,

Kilmacanogué, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/ x

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

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

FOURTH SCHEDULE

Waste Recovery Activities

- R 1 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 -

- Ep² 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
- 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
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- <u>R 8</u> Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- <u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement
- \underline{R} 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- <u>R 12</u> Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"

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

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

Dear Mr. Griffin.

W0293 - 01

+353 53 9160600

F: +353 53 9160699 E: info@epa.ie

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Lognite 1890 2016 to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow, This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 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 application.

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 application 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,

Pooley Kacrey

Programme Officer

Environmental Licensing Programme Office of Environmental Sustainability

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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

ROURTH SCHEDULE

Waste Recovery Activities

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

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

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

where -

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

'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),

'Ej' 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

- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R.5.</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- 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, 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)

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Minister Micheal Creed
Department of Agriculture. Food and the Marine
Agriculture House,
Kildare
Dublin 2
environmentalco-ordination@agriculture.gov.ie

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

W0293 - 01

+353 53 9160600

F: +353 53 9160699

E: info@epa.ie

Dear Minister Creed,

W: www.epa.ie In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Lineal Mydella 1809 to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 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 application.

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 application 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,

Poslan Karrey

Programme Officer

Environmental Licensing Programme
Office of Environmental Sustainability



An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght

Dublin 24

Name & Location of Facility/ Premises -

concerned:

Calary Quarry, Killough Upper and

Glencap Commons Upper,

Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

FOURTH SCHEDULE

Waste Recovery Activities

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

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

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

where -

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

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

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

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

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

R 2 Solvent reclamation/regeneration

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

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

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000

Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

Dear Sir/Madam,

T: +353 53 9160600 F: +353 53 9160699

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations. I am to inform consider the receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in relation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanty 1809 Path 1999 Wicklow. This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

W0293 - 01

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of the Arman shall not sign action of a respect desiring under Seating 42(2) of th

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 –

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

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Yours sincerely.

Programme Officer

1/00lan Kaciey

Environmental Licensing Programme Office of Environmental Sustainability

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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

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

Wast	Pisposal Activities
<u>D 1</u> [Deposit into or on to land (e.g. landfill, etc.)
<u>D 2</u> L	and treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositorie etc.)
<u>D 4</u>	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from or another and the environment, etc.)
<u>D 6</u> F	elease into a water body except seas/oceans
<u>D 7</u> F	elease to seas/oceans including sea-bed insertion
	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
•	Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D I to D 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.)
1 -	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other 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 proto 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
	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being prelimin storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

FOURTH SCHEDULE

Waste Recovery Activities

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

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

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

where -

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

*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),

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

R 2 Solvent reclamation/regeneration

- Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- 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
- <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)"

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Mr. Bryan Doyle
Director of Water & Environmental Services
Wicklow County Council
County Buildings
Station Road
Wicklow
County Wicklow

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathru, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

W0293 - 01

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E: info@epa.ie

W: www.epa.ie

Dear Mr. Doyle.

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, 1 am to iH67Hin18003875R8 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in relation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow, . This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

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

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Submissions to the Agency regarding applications.

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 - (i) an application, and
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 - (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 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 application.

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 application in due course.

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

Yours sincerely,

Programme Officer

Doday Kacrey

Environmental Licensing Programme

Office of Environmental Sustainability







An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste

Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

Calary Quarry, Killough Upper and

Glencap Commons Upper,

Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

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

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

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),
 - *Eff 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),
 - 10.97' is a factor accounting for energy losses due to bottom ash and radiation.
- R 2 Solvent reclamation/regeneration
- <u>R 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
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- R 6 Regeneration of acids or bases
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- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- <u>R 12</u> Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"



Director of Services - Planning Wicklow County Council County Buildings Station Road Wicklow County Wicklow

Headquarters, PO Box 3000 Johnstown Castle Estate County Wexford, Ireland Y35 W821

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

W0293 - 01

+353 53 9160600

F: +353 53 9160699

: info@epa.ie

Dear Director of Services,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to inform you of the receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Light 1869 2015 1851 1859 to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper. Kilmacanogue, County Wicklow. This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

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(b) notice in accordance with Article 16(2)(a), or

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The application. E1S 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 application.

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 application in due course.

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

Yours sincerely,

Programme Officer

Toolan Kacrey

Environmental Licensing Programme Office of Environmental Sustainability

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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

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Fourth Schedule Class/es: 3, 5, 13/

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

Wast.	THIRD SCHEDULE Disposal Activities	
<u>D 1</u> [Deposit into or on to land (e.g. landfill, etc.)	
<u>D 2</u> L	and 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 repositor etc.)	ies.
<u>D 4</u>	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)	
<u>D 5</u>	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from another and the environment, etc.)	one
<u>D 6</u> F	Release into a water body except seas/oceans	
<u>D 7</u> F	telease 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 mixture which are discarded by means of any of the operations numbered D 1 to D 12	es
<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	i
<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 I to D 12 (if there is not oth code appropriate, this can include preliminary operations prior to disposal including pre-processing such amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating to submission to any of the operations numbered D1 to D12)	as,
<u>D 14</u>	Repackaging prior to submission to any of the operations numbered D 1 to D 13	
<u>D 15</u>	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being prelim storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	
		cress.

FOURTH SCHEDULE

Waste Recovery Activities

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

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

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

where -

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

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

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

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

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

R 2 Solvent reclamation/regeneration

- R.3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R 5</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- 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, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
- <u>R 13</u> Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced)"

• ; ;



Mr. David Molloy Environmental Health Officer Health Service Executive (Dublin Mid Leinster) 2nd Floor, Oak House Lime Tree Avenue, Millennium Park Naas, County Kildare Att. Mr David Molloy

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

Ceanncheathrú, Bosca Poist 3000 Eastát Chaisleán Bhaile Sheáin Contae Loch Garman, Éire Y35 W821

27 July, 2016

W0293 - 01

+353 53 9160600

+353 53 9160699

E: info@epa.ie

Dear Mr. Molloy,

In accordance with Article 18(1) of the Waste Management (Licensing) Regulations, I am to i种种的18803365铜色 receipt on 8 July, 2016, of documentation relating to a waste licence application from Roadstone Limited in relation to a facility located at Calary Quarry Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow, . This application has been assigned register number W0293 - 01. Further details in relation to the application are supplied on the accompanying attachment.

In accordance with Article 18(3) of the above Regulations, a copy of the Environmental Impact Statement (EIS) submitted with this application is available to view on our website.

I am to advise you that any person may make a submission to the Agency, in writing, in respect of the application, 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 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, EtS 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 application.

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 application 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,

Doday Kacrey

Programme Officer Environmental Licensing Programme Office of Environmental Sustainability



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An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Management Licensing

Details of Waste Licence Application, in accordance with Article 18(2) of the Waste Management (Licensing) Regulations, as of 27 July 2016.

Application Reference/ Register No.: W0293-01

Applicant Name/ Address:

Roadstone Limited Fortunestown Tallaght Dublin 24

Name & Location of Facility/ Premises

concerned:

Calary Quarry, Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow

National grid reference of facility/ Premises

E3228 N2128

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

Re: Waste Licence Application Reg No: W0293-01, made by Roadstone Limited, Fortunestown, Tallaght, Dublin 24, in respect of a facility at Killough Upper and Glencap Commons Upper, Kilmacanogue, County Wicklow. The class or classes of activity concerned in the above referenced waste licence application as of 27 July 2016, in accordance with the Third and Fourth Schedules to the Waste Management Act 1996 as amended, are as follows (see the description of these activities below):

Third Schedule Class/es:

Fourth Schedule Class/es: 3, 5, 13/

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

Wast	THIRD SCHEDUEE
<u>D 1</u> I	Deposit into or on to land (e.g. landfill, etc.)
<u>D 2</u> I	and treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
<u>D 3</u>	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
<u>D 4</u>	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
<u>D 5</u>	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
<u>D 6</u> [Release into a water body except seas/oceans
<u>D 7</u> F	Release to seas/oceans including sea-bed insertion
D 8	Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D I 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)
D 12	Permanent storage (e.g. emplacement of containers in a mine, etc.)
	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other I 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
	Storage pending any of the operations numbered D I to D 14 (excluding temporary storage (being preliminal storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

FOURTH SCHEDULE

Waste Recovery Activities

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

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where -

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 - `Ef' means annual energy input to the system from fuels contributing to the production of steam (GJ/year).
 - Ew means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),
 - 'Ei' means annual energy imported excluding Ew and Ef(GJ/year),
 - '0.97' is a factor accounting for energy losses due to bottom ash and radiation.
- R 2 Solvent reclamation/regeneration
- <u>R 3</u> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolisis using the components as chemicals
- R 4 Recycling/reclamation of metals and metal compounds
- <u>R.5.</u> Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials
- R 6 Regeneration of acids or bases
- <u>R 7</u> Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- <u>R 10</u> Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10
- <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)"

