



**ATTACHMENTS IN SUPPORT OF  
A WASTE LICENCE APPLICATION  
FOR  
THORNTONS RECYCLING CENTRE  
MILLENNIUM BUSINESS PARK**

**ORIGINAL**

**Prepared for:**

Thorntons Recycling  
Unit S3B  
Henry Road  
Parkwest Business Park  
Dublin 12

**Prepared by:**

Fehily Timoney & Co  
Floor 2, Mill House  
Ashtowngate  
Navan Road  
Dublin 15

**December 2007**



**ATTACHMENTS IN SUPPORT OF  
A WASTE LICENCE APPLICATION  
FOR  
THORNTONS RECYCLING CENTRE  
MILLENNIUM BUSINESS PARK**

**ORIGINAL**

**User is Responsible for Checking The Revision Status Of This Document**

<b>Rev. Nr.</b>	<b>Description of Changes</b>	<b>Prepared by:</b>	<b>Checked by:</b>	<b>Approved by:</b>	<b>Date:</b>
0	Issue to EPA	TR			19-12-07

*Client:* Thorntons Recycling

*Keywords:* Waste Licence Application, Materials Recovery Facility (MRF), Attachments

*Abstract:* This document contains the attachments in support of a waste licence application to the Environmental Protection Agency (EPA) for a Materials Recovery Facility (MRF) in Millennium Business Park, Cappagh Road, Dublin 11. The application is made by Fehily Timoney & Company on behalf of the applicants Thorntons Recycling.



**ATTACHMENTS IN SUPPORT OF  
A WASTE LICENCE APPLICATION  
FOR  
THORNTONS RECYCLING CENTRE  
MILLENNIUM BUSINESS PARK**

**COPY**

**Prepared for:**

Thorntons Recycling  
Unit S3B  
Henry Road  
Parkwest Business Park  
Dublin 12

**Prepared by:**

Fehily Timoney & Co  
Floor 2, Mill House  
Ashtowngate  
Navan Road  
Dublin 15

**December 2007**



**ATTACHMENTS IN SUPPORT OF  
A WASTE LICENCE APPLICATION  
FOR  
THORNTONS RECYCLING CENTRE  
MILLENNIUM BUSINESS PARK**

**COPY**

**User is Responsible for Checking The Revision Status Of This Document**

<b>Rev. Nr.</b>	<b>Description of Changes</b>	<b>Prepared by:</b>	<b>Checked by:</b>	<b>Approved by:</b>	<b>Date:</b>
0	Issue to EPA	TR			19-12-07

*Client:* Thorntons Recycling

*Keywords:* Waste Licence Application, Materials Recovery Facility (MRF), Attachments

*Abstract:* This document contains the attachments in support of a waste licence application to the Environmental Protection Agency (EPA) for a Materials Recovery Facility (MRF) in Millennium Business Park, Cappagh Road, Dublin 11. The application is made by Fehily Timoney & Company on behalf of the applicants Thorntons Recycling.

---

## TABLE OF CONTENTS

---

	<u>PAGE</u>
ATTACHMENT A NON TECHNICAL SUMMARY .....	1
ATTACHMENT B GENERAL.....	14
ATTACHMENT C MANAGEMENT OF THE INSTALLATION .....	37
ATTACHMENT D INFRASTRUCTURE & OPERATION.....	40
ATTACHMENT E EMISSIONS .....	46
ATTACHMENT F CONTROL & MONITORING .....	48
ATTACHMENT G RESOURCE USE AND ENERGY EFFICIENCY .....	50
ATTACHMENT H MATERIALS HANDLING .....	51
ATTACHMENT I EXISTING ENVIRONMENT AND IMPACT OF THE ACTIVITY .....	52
ATTACHMENT J ACCIDENT PREVENTION AND EMERGENCY RESPONSE .....	53
ATTACHMENT K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE .....	57
ATTACHMENT L STATUTORY REQUIREMENTS .....	58

---

## LIST OF DRAWINGS

---

Drawing Number	Title	Location
DE07-046-02-001 Rev A	Land Ownership Plan	Attachment B1
DE07-046-02-002 Rev A	Site Plan	Attachment B2
DE07-046-02-003 Rev A	Site Location Map with 500m boundary offset	Attachment B2
DE07-046-02-004 Rev A	Site Services Plan with 250m boundary offset	Attachment B2
DE07-046-02-005 Rev A	Operations Drawing	Attachment D2

---

## **ATTACHMENT A NON TECHNICAL SUMMARY**

---

### **Attachment A1 Non-Technical Summary**

This Non-Technical Summary has been prepared in accordance with Article 12(1)(u) of the Waste Management (Licensing) Regulations S.I. 395 of 2004. Sub-articles (a) to (t) of Article 12 are addressed below.

For clarity, the paragraph numbering is in accordance with the numbering of Article 12(1), (a) to (t).

#### **Article 12(1)**

##### **(a) General Details**

Padraig Thornton Waste Disposal Ltd. (Trading as Thorntons Recycling)  
Unit S3B  
Henry Road  
Parkwest Business Park  
Dublin 12

Tel: 01 623 5133

Fax: 01 620 5131

Registered Company No: 72366

##### **(b) Planning Authority**

The development is proposed for a site in the functional area of Fingal County Council. Both the address for the head office of Fingal County Council and the building in which the planning section is located are listed here:

Head Office  
Fingal County Council  
P.O Box 174  
County Hall  
Swords  
Fingal  
Co. Dublin

Planning Department  
Fingal County Council  
Grove Road  
Blanchardstown  
Dublin 15

##### **(c) Sanitary Authority**

Domestic sewage and storm water will be discharged to sewer. A trade effluent will not be generated at the site.

The storm and foul water drainage infrastructure is shown on Drawing No. D1 Foul Sewer, Storm Water and Watermain Site Layout in Appendix II of the EIS and described in detail in Section 2.5 of the EIS (Volume II). There will be two emissions from the site, one to the storm sewer and one to the foul sewer.

Foul storm water will be collected from the re-fuelling area, the truck wash area, from 7 no. gullies in the materials reception building and foul from the office/canteen building. The foul water will be discharged via a petrol interceptor to the business park foul sewer manhole that is located in the roadway outside the site entrance.

The foul storm collected from the gullies in the materials reception building will be from periodic floor washings. For the following reasons the washdown water is considered to be suitable for discharge to the foul sewer:

- the floors will not need regular washing
- dry waste materials such as those listed in Attachment A.1(g) (EWC codes will not result in any liquid wastes)
- no organic materials will be handled on the sorting floor
- any unacceptable wastes will be stored in skips in the quarantine area
- all washwater will be passed through a petrol interceptor
- the foul storm will be sampled on a regular basis

The foul storm water collected from the truckwash will be discharged through a silt trap and oil interceptor. This water will be sampled along with the foul storm water from the floor washings. Due to the nature of the waste and the location of the site, the trucks and skips will be relatively clean. The truckwash will be used for light wash downs of trucks and skips that are only used on this site. All trucks will have travelled to the site on hardstanding surfaces and will not be carrying heavy soils and muck on their undercarriages. The skips will have been used to carry dry recyclables, C&D and skip waste from the commercial/industrial sector to the site.

For these reasons the foul storm water that will be generated on site is not considered to be a trade effluent.

Sampling of the discharge will be carried out as per Section 2.8 of the EIS (Volume 2).

#### **(d) Location**

The proposed facility will be located in the townland of Grange. The National Grid reference for the site is E310 362 N240 756. The address of the facility will be: Thorntons Recycling Centre, Millennium Business Park, Cappagh Road, Townland of Grange, Dublin 11.

#### **(e) Nature of the Development**

The site of the proposed development is located in Millennium Business Park, Cappagh Road, in the Townland of Grange, Dublin 11. The site is located just off the Cappagh Road, near Ballycoolin, north of the M50 and West of the N2. The site location map is shown as Figure 1.1 of the EIS (Volume 2). The site is adjacent to a cement batching plant and a quarry, as well as established commercial and industrial facilities. There are other waste management facilities in the vicinity, including facilities operated by Greenstar and Panda Waste. The site is a greenfield site, currently disused, but it was formally agricultural land. The proposed capacity of the MRF is 100,000 tonnes of material per annum. The waste types accepted at the facility will be dry-recyclable materials and C&D.

All materials will be brought to the facility for sorting, processing and recovery as recyclables. Dry recyclables will be handled in one side of the building and C&D in the other. Skips will be delivered to the facility containing mixed and unsorted materials. The material will be mechanically and manually sorted at the facility to recover and recycle as much as possible. Materials from the skips will be segregated into individual waste streams such as steel, metals, soils, timber and stone and bulked for further processing in facilities.

Dry recyclables will be delivered mixed and unsorted. They will be mechanically and manually sorted so that materials are segregated into individual waste streams such as cardboard, paper, plastics, tetrapak, aluminium and steel. Recyclable materials such as paper, cardboard, tetra-pak, aluminium, steel and plastic bottles, once processed, will be stored in cages until separately baled and sent to other facilities for further processing such as mills, factories etc.

The proposed layout of the site is shown on Drawing No. GA 01 (Planning Drawing). The building will be a light industrial unit. The building will be 14.2 m high and an area of 3,960 m<sup>2</sup>. Due to its location in an industrial estate, it will fit well with its surroundings. The site is 1.26 ha (12,578 m<sup>2</sup>) and is approximately rectangular tapering to a point at the south eastern corner. The building will occupy approximately 35% of the site. The remainder of the site will be hardstanding, used for traffic ways, office building, parking, truck wash, fuel storage and weighbridges.

Trucks will enter the site from the Millennium Business Park roadway through the site entrance onto one of the two weighbridges that will be located directly inside the site entrance. A weighbridge operator will direct all vehicles. Cars will be directed to one of the parking spaces and trucks carrying waste materials to the materials recovery building. Trucks carrying dry recyclables will be directed to one of 4 specific bays of the Dry Recyclables Building. Each bay will be labelled as per the type of material that may be tipped there; mixed recyclables, paper, cardboard or plastics. Trucks carrying C&D wastes will be directed to one of two roller shutter doors to access the C&D tipping floor.

The facility yard will have sufficient turning room for the trucks to reverse into the tipping areas of the building. Following tipping, the trucks will drive forward out of the same door they entered by and exit the facility via the exit weighbridge.

Trucks entering the facility that will transport processed materials off site will enter the site via the entry weighbridge. The weighbridge operator will direct the truck to the goods outwards area at the back of the building. This will be accessed by travelling down the eastern side of the building. There will be sufficient turning space at the back of the building for the trucks to reverse into the goods outwards areas. Trucks removing dry recyclable material will proceed to one of two roller shutter doors to collect baled recyclables. Trucks removing processed C&D material will proceed to one of 4 bays, accessed by roller shutter doors. Each bay will be labelled as per the material to be removed: fines, stone, timber or non-recoverable waste bound for landfill. The trucks will drive out of the collection area and exit the facility via the exit weighbridge. At all points on the site there will be sufficient room for 2 trucks to pass one another.



All waste handling activities will take place within the building. The only outdoor activities to take place on site will be re-fuelling and truck washing. There is an existing electricity pylon on site. It carries a 38 kV line to the eastern boundary of the site, where the line then travels under-ground to another pylon located on the western boundary of the Business Park. Here the line emerges over ground again and continues in a westerly direction.

**(f) Class of Activity**

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2003, it is proposed to carry out the following classes of activity at the facility:

**Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003**

Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

**Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003**

Class 2.	Recycling or reclamation of organic substances which are not used as solvents
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage.

Class 13 of the Fourth Schedule is the Principal Activity.

**(g) Quantity of Nature of Waste (EWC Code)**

<b>Waste Type</b>	<b>EWC Code Waste Fraction</b>	
Dry Recyclables 50,000 tpa	20 01 01	paper and cardboard
	20 01 02	glass
	20 01 39	plastics
	20 01 40	metals
	15 01 01	paper and cardboard packaging
	15 01 02	plastic packaging
	15 01 03	wooden packaging
	15 01 04	metallic packaging
	15 01 05	composite packaging
	15 01 06	mixed packaging
	15 01 07	glass packaging
	19 12 01	paper and cardboard
	19 12 02	ferrous metal
	19 12 03	non-ferrous metal
	19 12 04	plastic and rubber
19 12 05	glass	
C&D Material 50,000 tpa	17 01 01	concrete
	17 01 02	bricks
	17 01 03	tiles and ceramics
	17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
	17 02 01	wood
	17 02 02	glass
	17 02 03	plastic
	17 04 07	mixed metals
	17 05 04	soils and stones other than those mentioned in 17 05 03
	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.
	19 12 07	wood other than that mentioned in 19 12 06
	19 12 08	textiles
	19 12 09	minerals (for example sand and stone)
	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
	20 01 10	clothes
	20 01 11	textiles
	20 01 38	wood other than that mentioned in 20 01 37
	20 02 02	soil and stones
20 03 07	bulky waste	

## **(h) Raw Materials**

The facility will use materials, substances, fuels and energy during construction and during operation. During construction materials will be used to build all the components of the facility e.g. concrete hardstanding, administration building, recycling building, fencing and ancillary infrastructure. The facility will use diesel fuel, electricity, and water during construction and operation.

The following are estimates based on consumption at a similar Thornton's facility for the annual consumption of material and energy on-site:

Diesel Oil	900,000 Litres
Lubricant Oil	4,000 Litres
Coolant/Antifreeze	1,000 Litres
Electricity	990,500 kW/h
Water	730,000 Litres
Cleaning chemicals	200 Kg disinfectant to be diluted 50:1 water:disinfectant

## **(i) Plant, Processes and Operating Procedures**

The materials recovery building will be split into C&D handling, including dry skip waste and dry recyclable handling.

### *Materials Recovery - C&D waste stream*

Skip wastes will enter the materials recovery facility mixed and unsorted and materials contained within these skips will be mechanically and manually sorted at the facility to recover and recycle as much as possible. Materials from the skips will be segregated into individual waste streams such as steel, metals, soils, timber and stone and bulked for further processing in appropriate facilities.

All skip waste will be processed through a shredder, an over band magnet, picking station, trommel and trommel drum and conveyors for light and heavy fractions. Recovered timber will be fed through a ballistic separator and through a picking station where contaminants such as plastic and paper will be manually removed from the timber.

### *Materials Recovery - Dry Recyclables Stream*

Dry recyclables will enter the materials recovery facility as mixed dry recyclables. These will be mechanically and manually sorted so that contaminants are removed and materials are segregated into individual product streams such as cardboard, paper, plastics, tetrapak, aluminium and steel.

Materials which are mixed will be loaded into a vibrating hopper which will feed into a ballistic separator for mechanical sorting. Material will pass through a pre-sort station to remove over sized materials. Material will then be sent to a ballistic separator which will separate two and three dimensional materials. Materials will be passed over a band magnet to remove ferrous metals. An Eddy current will then separate aluminium from plastics.

It is expected that the processing of the material will result in a reject material. This material will be small in size and inorganic in nature. It will be disposed of to a licensed landfill facility

Please refer to Sections 2.6.3 and 2.6.4 of the EIS Volume 2 for further details of the proposed plant, processes and operating procedures. Figure 2.1 Material Recovery – Construction and Demolition Materials and Figure 2.2 Material Recovery – Dry Mixed Recyclables, are flow diagrams of the processes.

**(j) Regarding Paragraphs (a) to (g) of section 40 (4) of the Waste Management Act**

The information contained within the waste licence application form and its attachments including the accompanying Environmental Impact Statement demonstrates that the proposed facility meets the above requirements of the Act.

**(k) Emissions from the Site and (l) Effects of Emissions**

*Air*

All waste acceptance and processing activities will take place within the materials recovery building.

Dust extraction equipment will be placed at specific plant that has the potential to generate dust. The proposed building will have roller shutter doors to prevent wind blown dust. Dust monitoring will be carried out at the facility in accordance with the licence.

*Odour* will not be generated at the facility.

The entire facility will be hardstanding and that combined with the nature of the materials being handled means that there is no potential for dust and muck on surrounding roads.

*Noise*

The impact assessment of the predicted noise levels from the operation of the facility shows that there is not likely to be any significant impacts from the site on the noise environment. To ensure that the noise levels from the site operation are minimised, a number of features will be incorporated during the detailed design and management of the facility.

All waste trucks delivering waste to the site will unload waste in the indoor waste reception halls. All of the processing operations at the site will occur indoors.

During the night period (22:00 – 07:00) no waste handling activities, except deliveries will happen at the site.

Noise monitoring will be carried out at the facility in accordance with the licence.

*Surface Water*

There are no surface water bodies in the vicinity of the site. The entire site will be covered in hardstanding and therefore an attenuation system is proposed to mitigate the impact of peaks of storm water volumes from the site. The nature of the materials and process proposed mean that an effluent will not be generated.

Storm water and foul water emissions from the site will be monitored.

Please refer to Section 2.5, subsection Sewerage and Surface Water Infrastructure of the EIS and to Drawing No. D1 Foul Sewer, Storm Water and Watermain Site Layout in Appendix II of the EIS for further details of the proposed storm and foul water drainage systems.

#### *Groundwater*

There will be no direct emissions to groundwater from the proposed site.

An assessment of the effects of the above listed emissions on the environment has been carried out and it has been concluded that the proposed process and mitigation measures at the facility will ensure the effects of emissions on the environment will not be significant. Further details on emissions can be found in various Sections of the EIS, which are referenced in Attachment E of the Waste Licence Application.

#### **(m) Monitoring and Sampling Points**

The Applicant will implement a complete and comprehensive regime of regular environmental monitoring at the site. At a minimum the Applicant proposes the establishment of the monitoring locations shown on Figure 2.3 of the EIS (Volume 2). These include dust, noise, foul and storm water emissions monitoring locations. Further details on monitoring are provided in Section 2.8 of the EIS (Volume 2). Qualified persons will carry out all environmental monitoring and any laboratory analysis that is required will be carried out at an approved laboratory.

All monitoring will be carried out according to established procedures approved by the Agency.

Annual reports containing details of environmental monitoring will be prepared and presented to the Agency in accordance with the conditions of the waste licence.

#### **(n) Arrangements for Waste Arising from Activity**

A small quantity of canteen and office waste and waste from the maintenance of plant and machinery will be generated on site. Source segregation of this waste will be carried out to recover as many recyclable materials as possible.

#### **(o) Arrangements for Off-Site Treatment or Disposal of Wastes**

A small quantity of waste arisings will be transported off-site to appropriate facilities.

Liquid wastes will not be generated on site and therefore there is no requirement for off-site treatment or disposal.

#### **(p) Unauthorised or Unexpected Emissions**

Staff will be present on site at all times during opening hours to supervise and carry out operations and to deal with any emergencies. Key staff will be on-call to respond to any emergency situation outside of normal working hours.

Emergency Procedures will be developed prior to facility operation and will deal with unexpected emissions and other eventualities e.g. fire or plant breakdown. The above unexpected emissions/eventualities are not anticipated, however if they do arise they will be dealt with as per the procedures.

The Emergency Response Procedures will include details of persons to contact, emergency services numbers and actions to be taken.

**(q) Closure and Restoration**

It is anticipated that the plant will be operated indefinitely. However if the facility should close for some unforeseen reason all waste will be removed from the facility. The site would be sold as an asset including the buildings, equipment, weighbridges etc. The facility would be cleaned and waste would be removed to authorised facilities. If not possible to sell the site for its designed purpose, the equipment would be recycled where possible. The building where waste activities are proposed would, (if permissible) remain and would likely be used again.

**(r)** – relates to landfilling of waste and is not relevant to this development.

**(s) European communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000**

The above Regulations do not apply to the proposed activity.

**(t) Potential Emissions from List I/II Substances to Groundwater**

There will be no direct discharge to groundwater, as all proposed waste activities will take place on hard standing surfaces and indoors. There is an assessment of impacts in Section 6 of the EIS, Volume 2.

**(u) Non-Technical Summary**

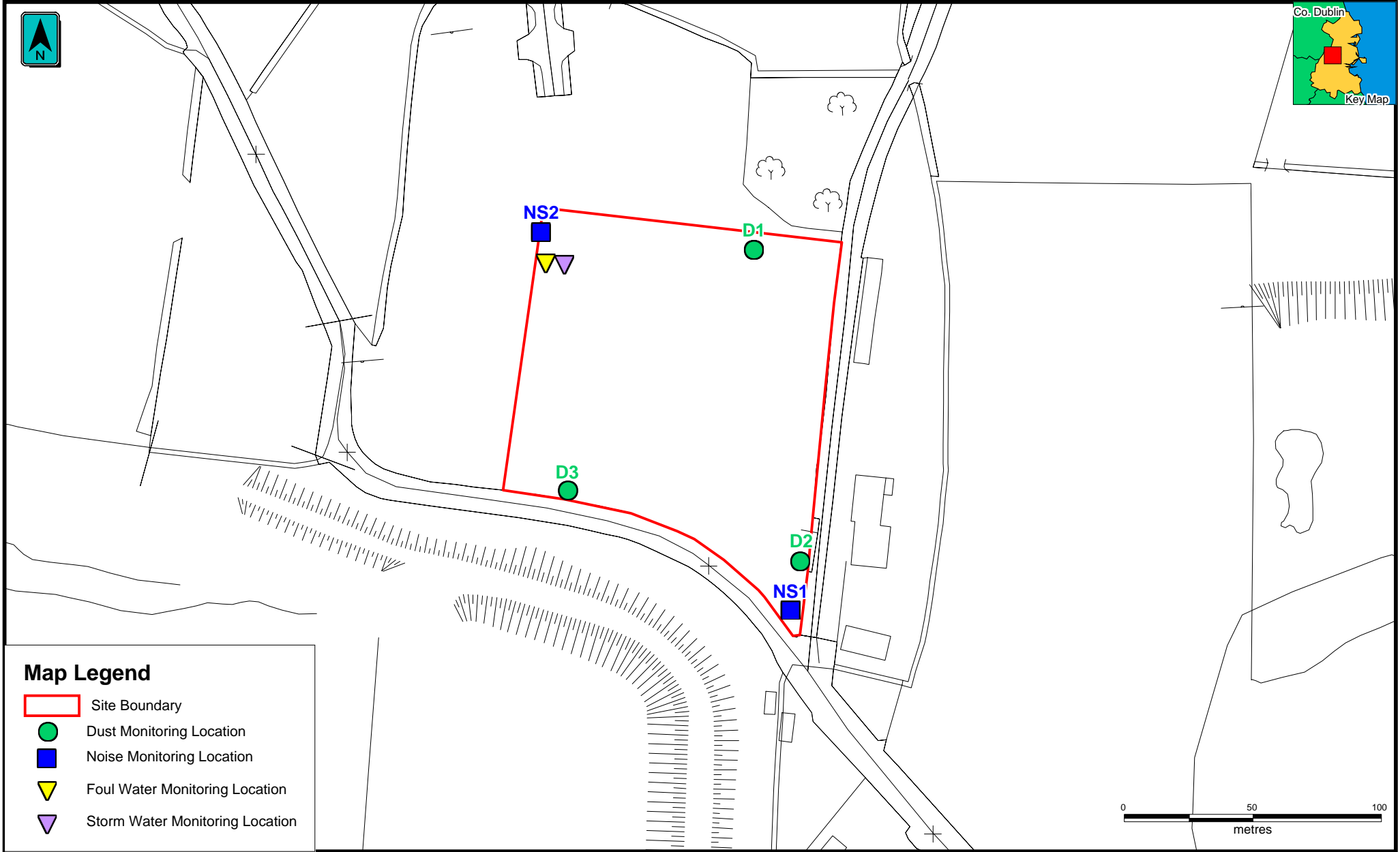
Attachment A1 of this document is the non-technical summary.

**Attachment A.2**






Proposed Environmental Monitoring Locations Map

-Blank Page-





**Map Legend**

-  Site Boundary
-  Dust Monitoring Location
-  Noise Monitoring Location
-  Foul Water Monitoring Location
-  Storm Water Monitoring Location

-Blank Page-

---

## ATTACHMENT B GENERAL

---

### Attachment B1 Applicant Details

- a) A copy of the Certificate of Incorporation is attached in Attachment B.1.1
- b) The Company's Registration Number from the Companies Registry Office is 72366. Thorntons Recycling is a registered business name. The certificate of registration is attached in Attachment B.1.1.
- c) The Company Directors are:
  - Gary Brady
  - Carmel Thornton
  - Anna Marie Thornton
  - Shane Thornton
  - Paul Thornton
- d) The Ownership Plan drawing is included in this attachment. It shows the ownership boundary in blue. Thorntons Recycling owns the entire site to which the waste licence application relates.

**Attachment B.1.1**

Certificate of Incorporation  
Certificate of Registration of Business Name  
Drawing Number DE07-046-02-001 Rev A Ownership Plan

Number  
72366

## Certificate of Incorporation of a Company

I hereby certify that

### PADRAIC THORNTON WASTE DISPOSAL LIMITED

was INCORPORATED under the COMPANIES ACT 1963 to 1977  
as a LIMITED Company, on  
Thursday, the 22nd day of November, 1979

Given under my hand at Dublin, this  
Friday, the 13th day of November, 1978

*Leslie Campbell*  
for Registrar of Companies



No. 244506

# Registration of Business Names Act, 1963

## CERTIFICATE OF REGISTRATION

28 OCT 2003

Business Name

**THORNTONS RECYCLING**

Principal Place of Business

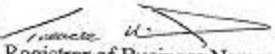
**KILLEEN ROAD,  
DUBLIN 10.**

I HEREBY CERTIFY that a Statement of Particulars in Respect of the above Business Name pursuant to Section 4 of the above mentioned Act was registered on **28th October, 2003**

Dated this **28th October, 2003**

Person who has registered this business name :

**PADRAIC THORNTON WASTE DISPOSAL LIMITED**

  
Registrar of Business Names

Section 7 of the above Act requires that whenever a change is made or occurs in any of the particulars registered in respect of any person, that person shall, within one month after the change, furnish by sending by post or delivering to the registrar a statement in writing in the prescribed form specifying the nature and date of the change signed and where necessary verified in like manner as the statement required on registration.

Section 8 (2) provides that "a certificate of registration shall be kept exhibited in a conspicuous position at, in the case of a firm or individual, the principal place of business and, in the case of a body corporate, its registered or principal office in the State and, in every case, in every branch office or place where the business is normally carried on, and if not kept so exhibited, the person registered or, in the case of a firm, every partner in the firm shall be liable on summary conviction to a fine not exceeding €127."

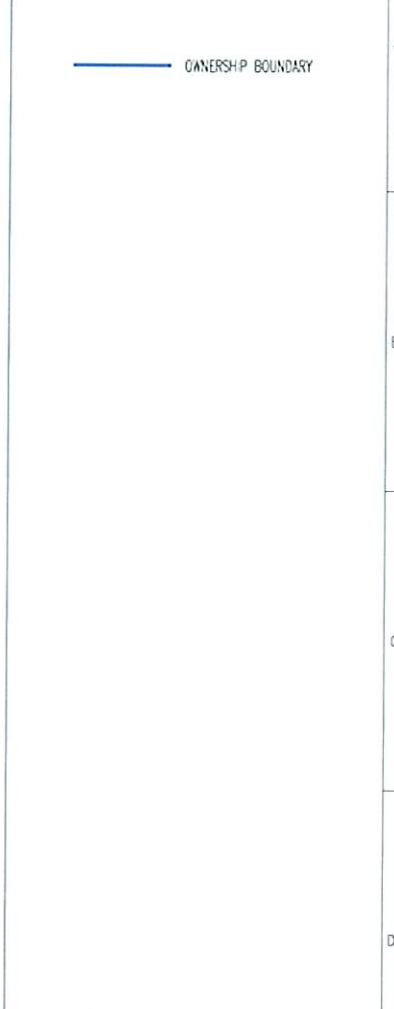
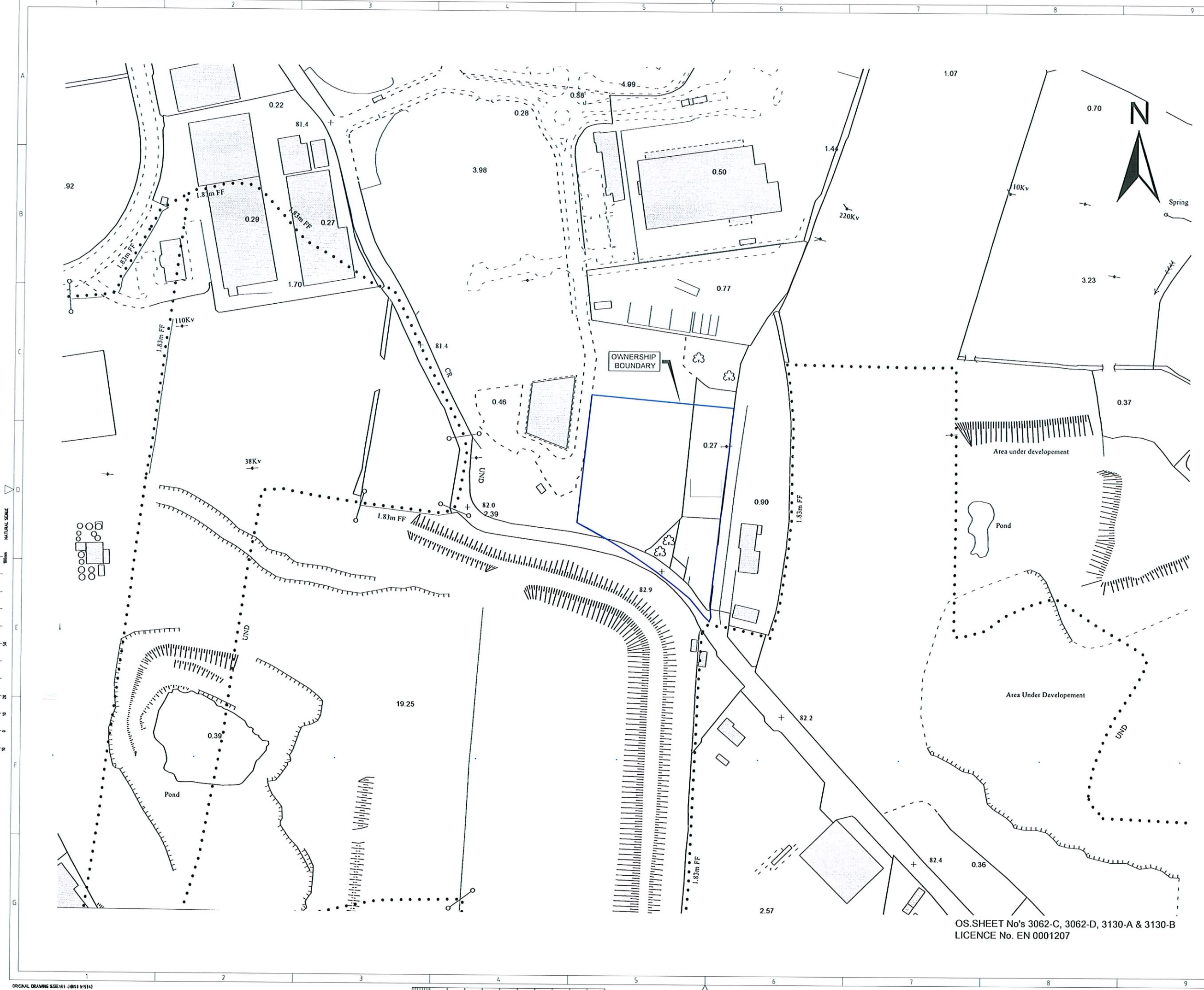
Section 12 (1)—

"If a person registered under this Act in respect of a business name ceases to carry on business under that name, it shall be the duty of that person or, in the case of an individual who dies, of his personal representative or, in the case of a firm, of every person who was a partner in the firm at the time when it ceased to carry on business under that name, and also, in the case of a body corporate, of any liquidator, within three months thereafter to send by post or deliver to the registrar a statement in the prescribed form to that effect, and if he makes default in doing so he shall be liable on summary conviction to a fine not exceeding €127."

*Forms of notification of change or cessation may be obtained from the*  
REGISTRAR OF BUSINESS NAMES, PARNELL HOUSE, 14 PARNELL SQUARE, DUBLIN 1.



**NOT FOR CONSTRUCTION UNLESS SPECIFICALLY STATED OTHERWISE**  
 No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Fehily Timoney & Company as copyright holder except as agreed for use on the project for which the document was originally issued.  
 Do not scale. Use figured dimensions only. If in doubt - Ask!



Rev.	Drawn	Checked	TR	App'd	Date	Description
A	MM	MM	TR	BC	17.12.07	ISSUE FOR WASTE LICENCE APPLICATION

Name of Client  


Name of Job  
 THORNTONS RECYCLING CENTRE  
 MILLENNIUM BUSINESS PARK

Title of Drawing  
 WASTE LICENCE APPLICATION  
 OWNERSHIP PLAN

Scales Used  
 1:2500  
 Dwg. No.  
 DE07-046-02-001  
 Rev.  
 A



**CONSULTANTS IN  
 ENGINEERING &  
 ENVIRONMENTAL  
 SCIENCES**

Core House, Pouladuff Rd, Cork, Ireland.  
 T: +353-21-4964133, F: +353-21-4964464  
 Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.  
 T: +353-1-6583500, F: +353-1-6583501  
 W: www.fehilytimoney.ie, E: info@ftco.ie

OS.SHEET No's 3062-C, 3062-D, 3130-A & 3130-B  
 LICENCE No. EN 0001207

-Blank Page-



## **B.2 Location of Activity**

Drawing No. 2007-046-02-002 Rev A Site Plan is included as Attachment B.2. It shows the grid reference and the position of the site notices. The site boundary is outlined in red. This is the boundary line to which the waste licence application applies.

Two additional drawings are included in this attachment; Drawing Number DE07-046-02-003 Rev A Location Map Showing 500 m Offset Boundary and Drawing Number DE07-046-02-004 Rev A Site Services Layout Showing 250 m Offset Boundary. These drawings were prepared in accordance with the Guidance Notes, Section B.2 (b) and (c).

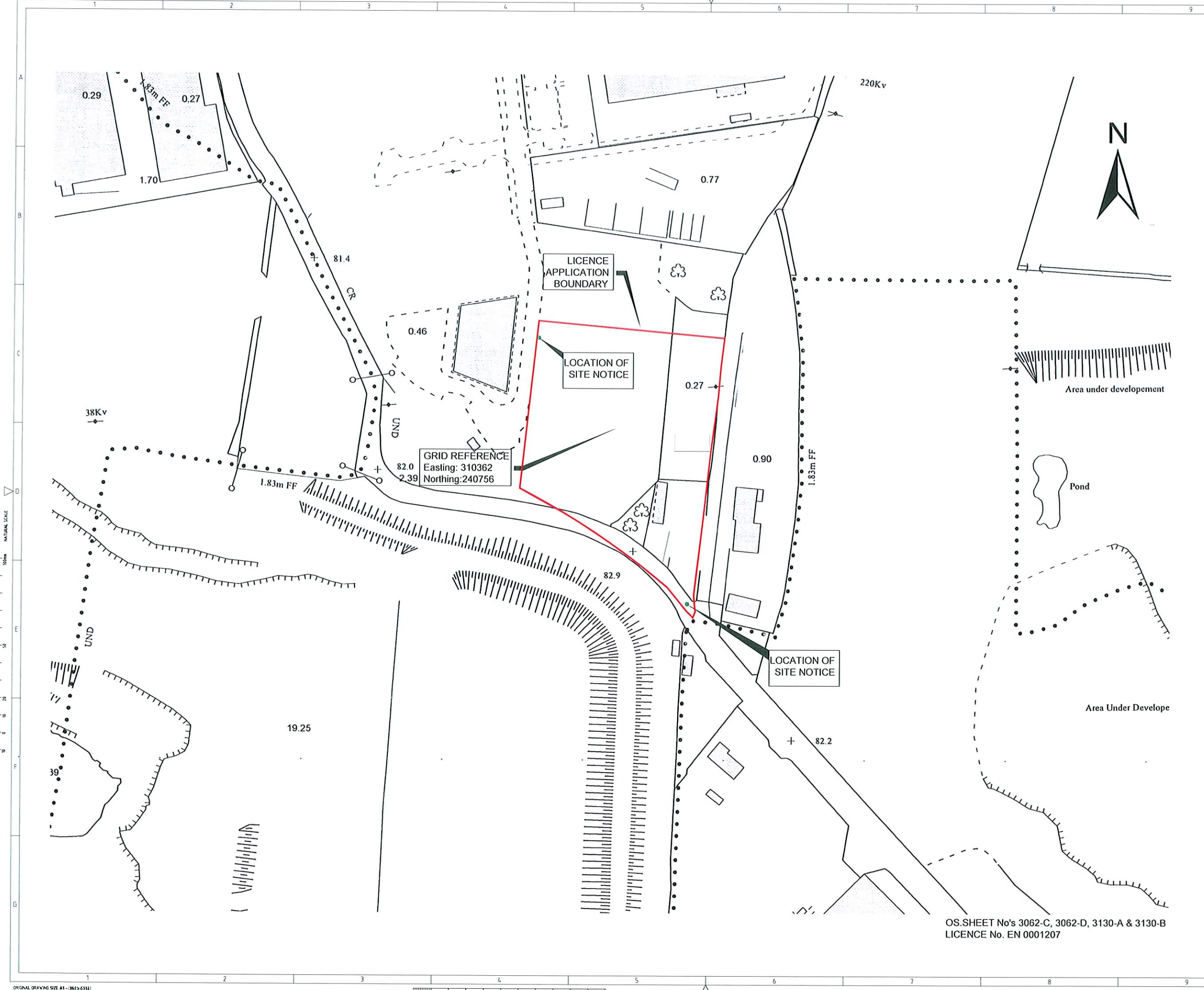
## **Attachment B2**

Drawing Number DE07-046-02-002 Rev A Site Plan

Drawing Number DE07-046-02-003 Rev A Location Map Showing 500 m Offset Boundary

Drawing Number DE07-046-02-004 Rev A Site Services Layout Showing 250 m Offset Boundary

**NOT FOR CONSTRUCTION UNLESS SPECIFICALLY STATED OTHERWISE**  
 No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Fehily Timoney & Company as copyright holder except as agreed for use on the project for which the document was originally issued.  
 Distances are given in metres and rounded to the nearest millimetre. All dimensions are in metres unless otherwise stated.  
 Use figured dimensions only. If in doubt - Ask!



**Note:**  
 The Cappagh Road is Currently Undergoing Realignment Works. The Site Boundary, Ownership Boundary And Licence Boundary (All The Same Line) Will Run Adjacent To The Newly Aligned Road.

Rev.	Drawn	Checked	App'd	Date	Description
A	MMC	TRJ	BC	17.12.07	ISSUE FOR WASTE LICENCE APPLICATION

Revision History: A | B | C | D

Name of Client  


Name of Job  
 THORNTONS RECYCLING CENTRE  
 MILLENNIUM BUSINESS PARK

Title of Drawing  
 WASTE LICENCE APPLICATION  
 SITE PLAN

Scales Used  
**1:2500**  
 Dwg. No. **DE07-046-02-002** Rev. **A**

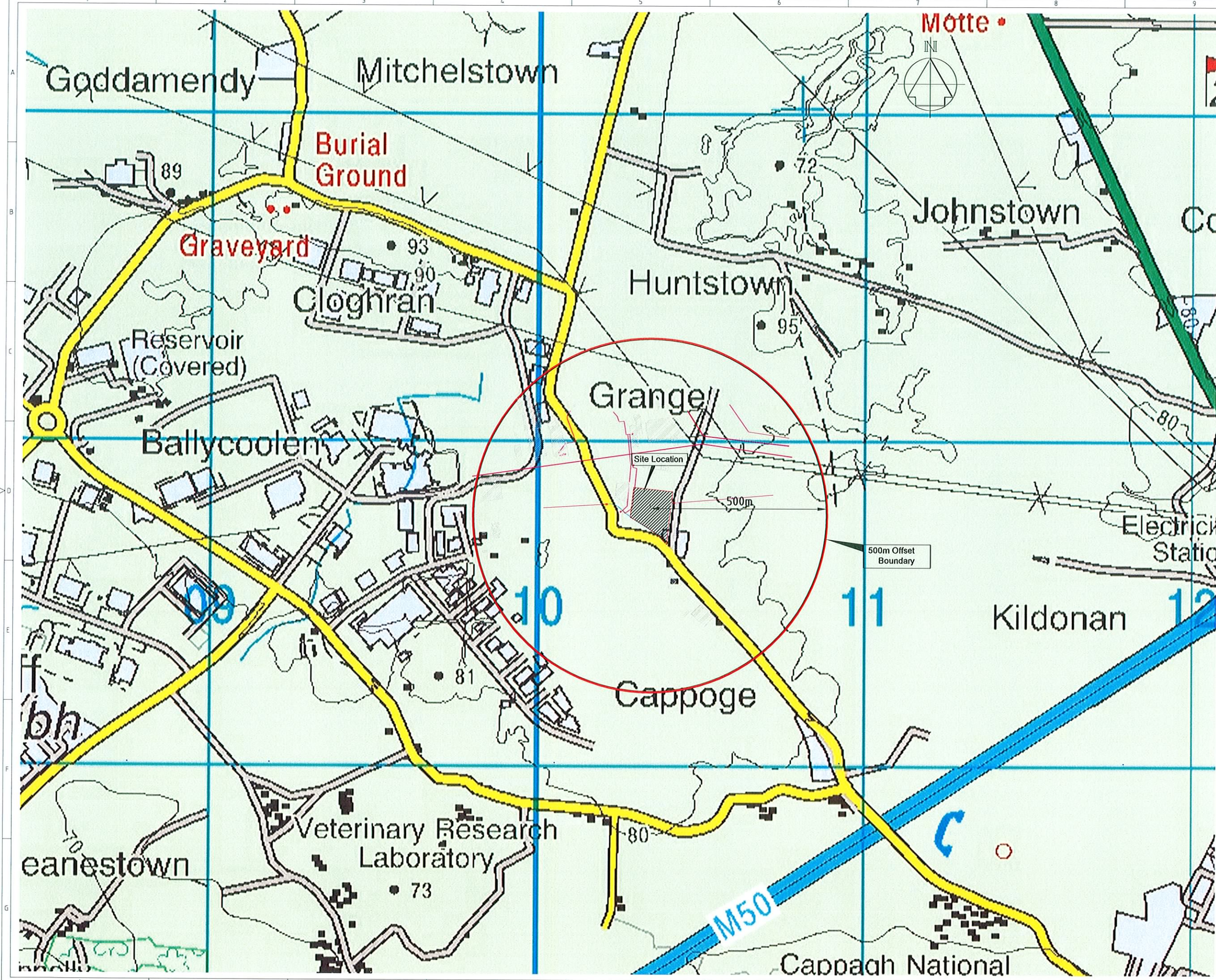
 **CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES**

Core House, Pouladuff Rd, Cork, Ireland.  
 T: +353-21-4964133, F: +353-21-4964464  
 Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.  
 T: +353-1-6583500, F: +353-1-6583501  
 W: www.fehilytimoney.ie, E: info@ftco.ie

OS.SHEET No's 3062-C, 3062-D, 3130-A & 3130-B  
 LICENCE No. EN 0001207

-Blank Page-





**NOT FOR CONSTRUCTION UNLESS SPECIFICALLY STATED OTHERWISE**  
 No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Fehily Timoney & Company as copyright holder except as agreed for use on the project for which the document was originally issued.  
 Do not scale. Use figured dimensions only. If in doubt - Ask!

Rev.	Drawn	Checked	TR	BC	Date	Description
A	IMIC	TR	BC	BC	Dublin 17.12.07	ISSUE FOR WASTE LICENCE APPLICATION
Revision History						

Name of Client  
**Thorntons recycling**

Name of Job  
 THORNTONS RECYCLING CENTRE  
 MILLENNIUM BUSINESS PARK

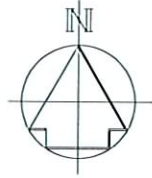
Title of Drawing  
 WASTE LICENCE APPLICATION  
 LOCATION MAP  
 SHOWING 500m OFFSET BOUNDARY

Scales Used  
 A3 @ 1:10000  
 Dwg. No.  
 DE07-046-02-003

**FEHILY TIMONEY & COMPANY**  
 CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES  
 Core House, Pouladuff Rd, Cork, Ireland.  
 T: +353-21-4984133, F: +353-21-4984464  
 Mill House, Ashlown Gate, Navan Rd, Dublin 15, Ireland.  
 T: +353-1-6583500, F: +353-1-6583501  
 W: www.fehilytimoney.ie, E: info@ftco.ie



-Blank Page-



110Kv

110Kv

250m Offset Boundary

**NOT FOR CONSTRUCTION UNLESS SPECIFICALLY STATED OTHERWISE**

No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Fehily Timoney & Company as copyright holder except as agreed for use on the project for which the document was originally issued. Do not make. Use for design purposes only. If in doubt - Ask!

**LEGEND**

- STE  
E41213.731  
N=5079.561  
L=99.733
- ⊕ SUPER STATION
- ⊙ S+BS
- ⊖ SPOT HEIGHT
- DATE
- ⊠ INSPECTION CHAMBER
- ⊠ STORM WATER DULY
- ⊠ MANHOLE WITH COVER LEVEL
- ⊠ RES
- ⊠ RES SPRAYED RED
- ⊠ RES SPRAYED BLUE
- ⊠ RES WITH SURFACE ENABLS
- ⊠ EP ELECTRODY PILE
- ⊠ TP TELEGRAPH PILES
- ⊠ SV STOP VALVE
- ⊠ WV WATER VALVE
- ⊠ DV GAS VALVE
- ⊠ BFH FIRE HYDRANT
- ⊠ T+M+H TREE WITH SPREAD AND HEIGHT
- ⊠ BUILDING WITH EAVE & ROOF LEVELS
- EXISTING WATERMAIN
- EXISTING Foul SEWER
- EXISTING STORMWATER
- HV UNDERGROUND ESB LINE
- HEDGELINE
- TREELINE
- FOOTPATH
- CENTRELINE OF ROAD
- TOP OF BANK
- BOTTOM OF BANK
- ROAD
- CONCRETE BASE
- KERELINE
- DRIVEWAY

NOTE: ALL COORDINATES TO NATIONAL GRID  
ALL LEVELS TO MALIN HEAD DATUM

Drawn	MIMC	Dublin	ISSUE FOR WASTE LICENCE APPLICATION
Checked	TR	17.12.07	
App'd	BC		
Rev	Origin	Date	Description
Revision History	A		

Name of Client  
**Thorntons recycling**

Name of Job  
THORNTONS RECYCLING CENTRE  
MILLENNIUM BUSINESS PARK

Title of Drawing  
SITE SERVICES LAYOUT  
SHOWING 250M OFFSET BOUNDARY

Scales Used  
A3 @ 1:2000  
Dwg. No. DE07-046-02-004  
Rev. A

**FEHILY TIMONEY & COMPANY**  
CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES  
Core House, Pouladuff Rd, Cork, Ireland.  
T: +353-21-4964133, F: +353-21-4964464  
Mill House, Ashdown Gate, Navan Rd, Dublin 15, Ireland.  
T: +353-1-6583500, F: +353-1-6583501  
W: www.fehilytimoney.ie, E: info@ftco.ie

-Blank Page-



### **B.3 Planning Authority**

The planning authority is Fingal County Council. A planning application was submitted with an Environmental Impact Statement (EIS) in respect of the proposed development on 14<sup>th</sup> November 2007. The EIS has been submitted with this Waste Licence Application.

### **B.4 Sanitary Authority**

Not applicable. A trade effluent will not be generated at this facility. No attachment is required.

### **B.5 Other Authorities**

No attachment required. The development is NOT located in the Shannon Free Airport Development Company Area.

### **B.6 Notices and Advertisements**

A site plan has been included in Attachment B2. It shows the site grid reference and the position of the site notice.

#### *Site Notice*

- Attachment B.6.1 contains a copy of the Site Notice.

#### *Newspaper Notice*

- The original application includes the complete newspaper in which the advertisement was placed.
- A copy of the relevant page of the newspaper containing the advertisement is included with the copies of the application in Attachment B.6.1.

#### *Notice of Application to Planning Authority*

- A copy of the notice of the application to the Planning Authority (Fingal County Council) is attached in B.6.1.

**Attachment B.6.1**

Copy of Site Notice for the Waste Licence Application  
Newspaper Advertisement of Waste Licence Application  
Copy of Site Notice for Planning Application

(Please refer to Attachment B2 for the site location map showing the position of the site notice on site)

**SITE NOTICE**  
APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A  
WASTE LICENCE

Padraig Thornton Waste Disposal Ltd., trading as Thorntons Recycling, Unit S3B Henry Road, Parkwest Business Park, Dublin 12 intends to apply to the Environmental Protection Agency for a waste licence. The application is in respect of a proposed Materials Recovery Facility (MRF) at Millennium Business Park, Cappagh Road, Townland of Grange, Dublin 11 (National Grid Reference: E 310 362, N 240 756).

The MRF will have a maximum annual capacity of 100,000 tonnes for the processing of mixed dry recyclables, construction and demolition waste and commercial/industrial skip waste.

Dry recyclables will be delivered mixed and unsorted. They will be sorted into individual waste streams such as cardboard, paper, plastics, tetrapak, aluminium and steel. Skips will be delivered to the facility containing mixed and unsorted materials. This material will be processed to recover metals, timber, soils, concrete, bricks and stone. Mobile and stationary plant will be used at the facility including loading shovels, conveyors, shredders, magnets, an eddy current separator and a ballistic separator. All waste sorting and processing will take place indoors.

The activities to be carried out at the facility as specified in the Schedules of the Waste Management Acts 1996 to 2007 are as follows:

Third Schedule:

**Class 11:** Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

**Class 12:** Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

**Class 13:** Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Fourth Schedule

**Class 2:** Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)

**Class 3:** Recycling or reclamation of metals and metal compounds.

**Class 4:** Recycling or reclamation of other inorganic materials.

**Class 13:** Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The principal activity will be Class 13 of the Fourth Schedule.

An environmental impact statement (EIS) will be submitted with the application. A copy of the waste licence application, the EIS and such further information relating to the application as may be furnished to the Agency will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency at Johnstown Castle Estate, County Wexford.

-Blank Page-



# Peters keen to stage all-Irish title fight

by Brendan Mooney

BRIAN PETERS would love to stage a world title fight involving Andy Lee and John Duddy in Ireland.

After Lee's comprehensive victory over Jason McKay on Saturday night, the Limerickman's trainer, Emanuel Steward, suggested that such a showdown would be spectacular for boxing.

Steward, linked with 19 world champions, insists Lee is the best middleweight in the world and would have no reservations putting him in against world champion, Kelly Pavlik.

But John Duddy has first shot at Pavlik who, incidentally, must give former champion Jermaine Taylor a rematch — a non-title fight — in the new year.

Should Duddy beat Pavlik — and Steward feels he has all the ammunition to demolish the world

champion — then Lee will be gunning for his fellow Irishman.

"I would have no reservations promoting that world title fight," Peters said yesterday. "I have not addressed the matter yet. In fact I had not thought about it until Manny Steward brought it up at Saturday night's press conference."

Steward said the fight had to take place and Peters was the man to promote it.

"I would love to stage that show," Peters said. "I got thinking about it and Duddy's manager, Eddie McLaughlin, was there on Saturday night. It might have appeared far-fetched at first but, from my point of view, if it makes dollars it makes sense."

Meanwhile, the Dunshaughlin businessman is already working on Lee's next appearance — in Limerick on February 2.

"We are working on a venue and looking at the UL Arena," he said.

"As far as I know this will be the first ever pro fight in Limerick."

It's likely he will face a European opponent and with Duddy boxing in the US on the same night, he has been discussing the possibility of linking up both shows with RTE.

He makes no secret of the fact that he wants to be involved in the show at Madison Square Garden in March, maybe through a live link up and he has already promised bantamweights Colin Moffert and Eugene Hegney a place on the bill.

They were meeting for the second time when Moffert won the Irish title on an eighth-round stoppage on Saturday night.

Pascal Collins is to announce details of another professional show for Cork later this week with Billy Walsh topping the bill.

David Barrett recorded the biggest win of his career when he

beat David Joyce (St Michael's Athy) on the top-of-the-bill contest at the Rylane show in Macroom on Saturday night.

Barrett, last year's intermediate champion, was giving weight to the Leinster senior champion who is moving up a division for the senior championships but he was able to keep him on the back foot and get through with the punches to shade the verdict.

"It was a nice win on the eve of the national senior championships," Barrett's coach, Dan Lane, said.

"We will be looking for some good spars for him over the coming weeks. He is only 19 but he has come on by leaps and bounds."

It was a big night for Rylane club who had 12 boxers on the bill with 11 of them winning, including Donal Og O'Leary who used his strength to beat Owen Hurley from Macroom in a close middleweight contest.

# Ending the Irish famine set Pádraig on the Open road



Diarmuid O'Flynn

## My Sporting High

THIS brief always gets me in a tizzy, for the usual reason — so much to choose from, so many sports to which I'm attracted.

This year though, my best sporting memory came early, and it's conclusive — Pádraig Harrington's win in the Irish Open at Adare. I know, I know, in the bigger picture the British Open win ranks way above that, but I believe that winning his home Open set Pádraig on his way, convinced him that now he was ready for the next step up.

The Irish Open, you see, was looming ever larger in his psyche, a milestone growing with every year that passed without an Irish winner: his fifth major, that's how he had begun to think of it, the pressure to win only a notch below winning one of the big four.

The course itself plays a major part in this story, and so it should. The greatest golfing memories can never be separated from the venues in which they occurred, because in every golf tournament, you're not just playing against the rest of the field, you're also playing the course — they are intertwined, integral.

In the Munster area, we've known for years that Adare Manor — the new, big course as opposed to the tidy, smaller course on the other side of the river Maigue — is a beauty, a magnificent parkland course capable of hosting any event, of testing anyone in golf.

It was inevitable that a PGA event would eventually be held here, and what better than the Irish Open?

In common with so many Irish courses, Adare is beautifully situated. The manor itself is magnificent, perfectly preserved; the estate on which the course sits is one of nature's pearls; ancient, majestic trees of every description lining the fairways; flora and fauna of every hue perfuming the air; and there's the river, the trout and salmon-rich mighty Maigue, to your front, to your rear, to the right, to the left, diagonally across



Pádraig Harrington playing his crucial approach shot over the river to the 18th green during the play-off with Bradley Dredge at the Irish Open at Adare Manor.

the bridges and eagles came a-rolling.

But they didn't. Par is par for a

around the back nine that afternoon, with the crowds, now dozens deep along the fairways on

Fiat match, one hole to play, momentum now with Dredge, he could have folded up his tent and

## Public Notices

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENSE

Patrick Thornton Waste Disposal Ltd., trading as Thornton Recycling, Unit 53B Henry Road, Parkwest Business Park, Dublin 12 intends to apply to the Environmental Protection Agency for a waste licence. The application is in respect of a proposed Materials Recovery Facility (MRF) at Millinam Business Park, Cappagh Road, Towland of Grange, Dublin 11 (National Grid Reference: E 310 562, N 240 756).

The MRF will have a maximum annual capacity of 100,000 tonnes for the processing of mixed dry recyclables, construction and demolition waste and commercial/industrial skip waste.

Dry recyclables will be delivered mixed and unsorted. They will be sorted into individual waste streams such as cardboard, paper, plastics, tetrapak, aluminium and steel. Skips will be delivered to the facility containing mixed and unsorted materials. This material will be processed to recover metals, timber, soils, concrete, bricks and stone. Mobile and stationary plant will be used at the facility including loading shovels, conveyors, shredders, magnets, an eddy current separator and a ballistic separator. All waste sorting and processing will take place indoors.

The activities to be carried out at the facility as specified in the Schedules of the Waste Management Acts 1996 to 2007 are as follows:

- Third Schedule: Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
- Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)
- Class 3: Recycling or reclamation of metals and metal compounds.
- Class 4: Recycling or reclamation of other inorganic materials.
- Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
- Fourth Schedule: Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)

Class 3: Recycling or reclamation of metals and metal compounds.

Class 4: Recycling or reclamation of other inorganic materials.

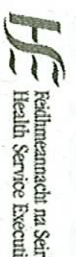
Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The principal activity will be Class 13 of the Fourth Schedule.

An environmental impact statement (EIS) will be submitted with the application. A copy of the waste licence application, the EIS and such further information relating to the application as may be furnished to the Agency will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency at Johnstown Castle Estate, County Wickford.

APPLICATION TO LIMERICK COUNTY COUNCIL  
A Waste Collection Permit Relating to Activities in Limerick Council to Council, Limerick City Council, Kerry County Council, and Clare County Council. Paul Murphy, Transport of 2 Shannon Terrace, Dublin Road, Limerick, has made an application for a waste collection permit to Limerick County Council for the collection of non-hazardous metals and metals compounds in Limerick County Council, Limerick City Council, Kerry County Council, and Clare County Council. A copy of the application will, as soon as is practicable after receipt by Limerick

## Public Notices



Feidhmeannacht na Seirbhíse  
Health Service Executive

## THE HEALTH SERVICE EXECUTIVE COUNCIL and AN GARDA/COUNCIL

Public Notice under European  
Accidents Involving Dangerous

The Health Service Executive and An Garda Síochána are each required to plan for deal with effects of off-site emergency response on-site

NOVARTIS RINGASKIDD

A draft copy of the External Emergency Plan will be available for examination at the following locations:

1. Ambulance Headquarters, Kinsale Road, Cork
2. An Garda Síochána Region 3, An Garda District Headquarters

Submissions and observations on the Emergency Plan may be made for Major Emergency Management South Ring Business Park, Kinsale Road, Cork. The deadline for submissions is not later than 5pm on 19th December 2007.



CORK COUNTY COUNCIL  
COMHARLE CONRÁIL

## PUBLIC NOTICE

TEMPORARY CLOSING OF PUBLIC ROADS  
NOTICE IS HEREBY GIVEN that, in pursuance of Section 19(3) of the Road Traffic Act 1993, the closing to public traffic of the following roads for the dates and times set out below is hereby notified:

Sunday, 13th January 2008 (19th December 2007)

Road Closed: Part of Regional Road R586 from G to Droimne Cross in Aughnaville, B

Alternative Routes:  
(i) Traffic coming from Bantry to Droimne Cross via Co. Kerry and L8736, through the town of Malinbeg and Droimne Cross, via Co. Kerry and L8736, through the town of Malinbeg to re-join R586 at G

NOTICE IS FURTHER GIVEN that Horse Trotting Races over these roads will be held on the dates and times set out below.

Any person interested may lodge a notice of objection with the undersigned within the period of 14 days from the publication of this Notice.

County Council Offices,  
Corktown,  
Sisibberen.

Waterford County Council  
Comhairle Contaraí

TEMPORARY CLOSING OF PUBLIC ROADS  
SECTION 75 ROADS ACT 1993  
Notice is hereby given that Waterford County Council will close the following roads for the dates and times set out below:

Read to be Closed:  
R654 (Barrack Street) between Junction and Junction with R628 (West Street).  
Alternative Routes:  
For vehicles in excess of 3 tonnes G.L.A. Motorway, Ballymore and Com. For all other traffic via Mill Road (R627) and West Street (R628).

Waterford County Council  
Comhairle Contaraí

TEMPORARY CLOSING OF PUBLIC ROADS  
SECTION 75 ROADS ACT 1993  
Notice is hereby given that Waterford County Council will close the following roads for the dates and times set out below:

Read to be Closed:  
R627 (Mill Road) between Junction with Junction and Junction with 16000 Cockpit Lane.  
Alternative Routes:  
For vehicles in excess of 3 tonnes G.L.W. Motorway, Ballymore and Com. For all other traffic via Mill Road (R627) and West Street (R628).

Waterford County Council  
Comhairle Contaraí



-Blank page-


COMHAIRLE CHONTAE FHINE GHALL  
FINGAL COUNTY COUNCIL

SITE NOTICE

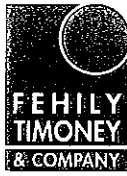
We#, PADRAIG THORNTON WASTE DISPOSAL LTD T/A THORNTONS RECYCLING intend to apply for permission/~~retention permission/ outline permission/ permission~~ consequent on the grant of ~~outline permission~~ (Ref. No. of ~~outline permission~~) for development at this site at MILLENNIUM BUSINESS PARK, CAPPAGH ROAD, TOWNLAND OF GRANGE, DUBLIN 11.

The development will consist/ ~~consists~~ of a Materials Recovery Facility (MRF) with a capacity for a maximum annual intake of 100,000 tonnes of dry mixed recyclable material and construction and demolition waste collected from the commercial/industrial and domestic sectors. The development comprises a metal clad process building having a plan area of 3,960 sq. metres with a maximum height of 14.2 metres; separate two storey office/welfare building of plan area 163 sq. metres with a maximum height of 8 metres; associated vehicle marshalling yard; 2 no. weighbridges with hut; 47 no. car parking spaces; truck wash; fuel storage area; water tank; all associated security fencing and site services including an electrical sub-station and site landscaping works. An Environmental Impact Statement (EIS) has been prepared in respect of the planning application. This application relates to an activity requiring a waste licence.

The Planning Application and EIS may be inspected or purchased, for a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority, Fingal County Council, Grove Road, Blanchardstown, Dublin 15 during office hours 9.30 - 15.30, Monday to Friday. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee of €20.00 within the period of five weeks, beginning on the date of receipt by the planning authority of the application.

Signed:   
Fehily Timoney & Company (Agents)  
Mill House, Ashtowngate, Navan Road, Dublin 15

Date of erection of site notice: 7<sup>th</sup> November 2007



CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES

**CORK DUBLIN**

J:\2007\DE07\045\02\Letters\Lett004\DF\JD

Planning Department  
Fingal County Council  
Grove Road  
Blanchardstown  
Dublin 15

***By Fax & Post***

20 December 2007

To Whom It May Concern

As required under Article 9 of S.I. No. 395 of 2004 Waste Management (Licensing) Regulations 2004, we hereby give Fingal County Council written notice of the intention of Pdraig Thornton Waste Management Limited (T/a Thorntons Recycling) to submit a waste licence application to the Environmental Protection Agency. This site is currently the subject of a planning application (**F07A/1472**).

Information required by Art. 6:

**APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE**

Padraig Thornton Waste Disposal Ltd., trading as Thorntons Recycling, Unit S3B Henry Road, Parkwest Business Park, Dublin 12 intends to apply to the Environmental Protection Agency for a waste licence. The application is in respect of a proposed Materials Recovery Facility (MRF) at Millennium Business Park, Cappagh Road, Townland of Grange, Dublin 11 (National Grid Reference: E 310 362, N 240 756).

The MRF will have a maximum annual capacity of 100,000 tonnes for the processing of mixed dry recyclables, construction and demolition waste and commercial/industrial skip waste.

Cont'd....

**FLOOR 2 MILL HOUSE ASHTOWNGATE NAVAN ROAD DUBLIN 15 IRELAND**

T: +353 1 6583500 F: + 353 1 6583501 E: [ftc@ftco.ie](mailto:ftc@ftco.ie) W: [www.fehilytimoney.ie](http://www.fehilytimoney.ie)

Directors: Eamon Timoney Declan O'Sullivan Gerry O'Sullivan Walter Quirke Oliver Tierney  
Associates: Declan Egan Clodagh Mahony Adrian Duffy Bernadette Guinan  
Paul Kelly Stephen Byrne Sarah Toal Tony Ambrose Company Secretary: Declan O'Sullivan

Registered in Ireland, Fehily Timoney & Company Ltd. Number 180497  
Registered Office: Core House, Pouladuff Road, Cork. VAT Registration Number: IE6580497D





Dry recyclables will be delivered mixed and unsorted. They will be sorted into individual waste streams such as cardboard, paper, plastics, tetrapak, aluminium and steel. Skips will be delivered to the facility containing mixed and unsorted materials. This material will be processed to recover metals, timber, soils, concrete, bricks and stone. Mobile and stationary plant will be used at the facility including loading shovels, conveyors, shredders, magnets, an eddy current separator and a ballistic separator. All waste sorting and processing will take place indoors.

The activities to be carried out at the facility as specified in the Schedules of the Waste Management Acts 1996 to 2007 are as follows:

Third Schedule:

- Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Fourth Schedule:

- Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)
- Class 3: Recycling or reclamation of metals and metal compounds.
- Class 4: Recycling or reclamation of other inorganic materials.
- Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The principal activity will be Class 13 of the Fourth Schedule.

An environmental impact statement (EIS) will be submitted with the application. A copy of the waste licence application, the EIS and such further information relating to the application as may be furnished to the Agency will, as soon as practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency at Johnstown Castle Estate, County Wexford.

Yours Sincerely

David Flynn

for and on behalf of **Fehily Timoney & Co**



-Blank Page-

## B.7 Type of Activity

The principal waste activity is Class 13 of the Fourth Schedule.

### Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003

<b>Class 11</b>	<b>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b> This activity refers to the blending or mixing of wastes, which cannot be recycled or recovered, prior to disposal at an authorised facility.
<b>Class 12</b>	<b>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b> This activity refers to the repackaging of wastes, which cannot be recycled or recovered, prior to disposal at an authorised facility.
<b>Class 13</b>	<b>Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.</b> This activity relates to the storage of waste which cannot be recycled or recovered prior to disposal off site.

### Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003

<b>Class 2</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes):</b> This activity relates to the recycling of organic substances including recovery of timber, paper and cardboard at the facility.
<b>Class 3</b>	<b>Recycling or reclamation of metals and metal compounds:</b> This activity relates to the recycling or reclamation of metals and metal compounds prior to further recovery off-site.
<b>Class 4</b>	<b>Recycling or reclamation of other inorganic materials:</b> This activity relates to the recycling or reclamation of inorganic materials prior to further recovery off-site.
<b>Class 13</b> <b>This is the Principal Activity</b>	<b>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:</b> This activity relates to the storage of waste prior to further recovery off-site.

---

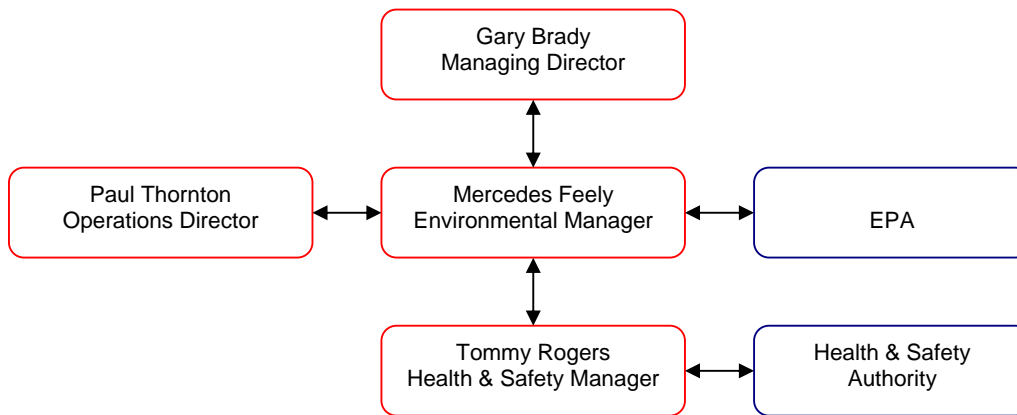
## ATTACHMENT C MANAGEMENT OF THE INSTALLATION

---

### C.1 Technical Competence and Site Management

Details of the applicants' experience and qualifications, along with that of other relevant employees are summarised below. Figure C.1.1 is an organisational chart of the proposed management structure for the facility. Table C.1.1 lists details of the positions, duties and responsibilities, experience and qualifications of the proposed team.

**Figure C.1 1: Organisational Chart of Proposed Management Structure**



**Table C.1 1: Site Management for the Proposed Facility**

Name	Job Title	Type of Employment	Education/Skills Level
Gary Brady	Managing Director	Full-time, Permanent	Qualified as Member of Institute of Accounting Technicians in Ireland (IATI) in 1991. Qualified as Member of Institute of Certified Public Accountants in Ireland in 1994. (DOB 20/07/1971). Over 7 years experience in the waste sector.
Paul Thornton	Operations Director	Full-time, Permanent	Owner and Director. Paul will oversee the operations of the new Millennium Park Facility and will liaise directly with on the site Facilities Manager which will be appointed on development of the facility. (DOB 30/03/1973)
Mercedes Feely	Environmental Manager	Full-time, Permanent	Mercedes has a BSc (Hons) Environmental Science from University of Ulster, Coleraine and a MSc Environmental Engineering from Queen's University, Belfast. Mercedes has eight years work experience including the successful management of Waste licence WL 0044-02 of Thorntons Recycling Centre, Killeen Road, Dublin 10 and the successful implementation of Environmental Management Systems certified to ISO 14001 on all of Thorntons Recycling sites. Mercedes has also received the accredited FETAC National Skills Certificate for both 'Waste Management Modules' and 'Waste Management - On Site Assessment'. Mercedes is a trained environmental auditor and a trained member of the company emergency response team. Mercedes will be the main environmental contact for the development and operation of the waste licence in the Millennium Park Facility. (DOB 04/07/1977)
Tommy Rogers	Health and Safety Manager	Full-time, Permanent	Tommy has a Diploma in Industrial Engineering from the Institute of Industrial Engineering and is in his final year of NEBOSH Health & Safety Diploma. He has 10 years emergency response services training and trained as Safety Committee Liaison Officer for five years in Tara Mines Ltd. Responsibilities of Senior Management roles with a number of companies over a period of 10 years which included Environment, Health & Safety functions. He has received the accredited FETAC National Skills Certificate for both 'Waste Management Modules' and 'Waste Management - On Site Assessment'. (DOB 30/12/1961)

## **C.2 Environmental Management System**

Thorntons Recycling has an Integrated Management System (IMS), which, has been certified at all of their current sites by Certification Europe for ISO 14001 (Environmental), ISO 9001 (Quality) and OHSAS18001 Health and Safety.

It is intended that this facility will have the same level of environmental, quality and H&S performance.

## **C.3 Hours of Operation**

Waste will be accepted at the facility Monday to Sunday inclusive of Bank Holidays on a 24 hour basis. Waste processing (sorting, mixing etc) will be from the hours of 07.00 to 22.00 hours Monday to Saturday inclusive.

The waste acceptance hours are proposed in order to facilitate the collection vehicles operating in Dublin City that need to deliver loads during night-time and bank holiday hours.

The proposed hours of construction are 07:00 to 20:00 Monday to Saturday inclusive.

Only waste from hauliers with a waste collection permit will be accepted at the site. There will be no acceptance of waste delivered by individual householders. The weighbridge operator will record details of all wastes accepted (type, nature, weight, origin etc) at the site, and will direct acceptable loads to the appropriate location.

## **C.4 Conditioning Plan**

Not Applicable. This is NOT an application in respect of a landfill.

---

## ATTACHMENT D INFRASTRUCTURE & OPERATION

---

The following sections should be read in conjunction with the EIS and its associated drawings.

### **Attachment D.1 Infrastructure**

This section makes repeated reference to Section 2.5 of the EIS (Volume 2). For clarity this section was prepared in reference to the application form and is laid out under the same headings and in the same order wherever possible.

#### *D.1.a Site Security*

Details of site security for the facility are outlined in Section 2.5 EIS (Volume 2).

#### *D.1.b Access Roads*

Details of the existing access road are outlined in Sections 2.5 of the EIS (Volume 2). No new site roads are required and as such there is no design information.

#### *D.1.c Hardstanding Areas*

Details of the proposed hardstanding area are outlined in Section 2.5 of the EIS (Volume 2).

#### *D.1.d Plant*

Details of the plant are outlined in Section 2.6.3 of the EIS and details of the weighbridges are outlined in Sections 2.5 of the EIS (Volume 2).

#### *D.1.e Wheel Wash*

Details of the wheelwash are outlined in Section 2.5 of the EIS (Volume 2).

#### *D.1.f Laboratory Facilities*

Please refer to Section 2.5 of the EIS (Volume 2).

#### *D.1.g Fuel Storage*

Details of the fuel storage facility are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.h Waste Quarantine Areas*

Details of waste quarantine areas are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.i Waste Inspection areas*

Details of waste inspection areas are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.j Traffic Control*

Details of the traffic management system are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.k Sewerage and Surface Water Drainage Infrastructure*

Details of all sewerage and surface water drainage are outlined in Sections 2.5 under the heading Sewerage and Surface Water Infrastructure and 7.4 of the EIS (Volume 2). Please refer to Drawing No. D1 Foul Sewer, Storm Water and Watermain Site Layout in Appendix 1 of the EIS (Volume 2).

*D.1.l All Other Services*

Details of all on-site services are outlined in Section 2.5 of the EIS (Volume 2). Drawing No.s DE07-046-02-003 Rev A Location Map Showing 500m Offset and DE07-046-02-004 Rev A Site Services (both in Attachment B2).

*D.1.m Plant Sheds and Garages*

Details of plant sheds are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.n Site Accommodation*

Details of site accommodation are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.o Fire Control System*

Details of the Fire Control System are outlined in Section 2.5 of the EIS (Volume 2).

*D.1.p Civic Amenity Sites*

Not Applicable.



*D.1.q Any other waste recovery infrastructure*

Details of all material recovery infrastructure are outlined in Section 2.5 of the EIS (Volume 2) under the headings, Dry Recyclables Processing Area, Construction and Demolition Waste Processing Area and Materials Recovery Infrastructure. Further details are also included in Section 2.6.3 and Figures 2.1 and 2.2 of the EIS (Volume 2).

*D.1.r Details of Composting Infrastructure*

Not Applicable

*D.1.s Construction and Demolition Waste Infrastructure*

Details of the proposed construction and demolition waste infrastructure is discussed in Section 2.5 under the heading Construction and Demolition Waste Processing Area and in Section 2.6.3 and shown in Figure 2.2 of the EIS (Volume 2).

*D.1.t Incineration Infrastructure*

Not Applicable.

*D.1.u Any Other Infrastructure*

Not Applicable

## **Attachment D.2 Facility Operation**

### **D.2.a) Unit Operations**

Section 2.6 of the EIS (Volume 2) describes the operation of the facility. Refer to Drawing Number 2007-046-02-005 Rev A Operations Drawing in this Attachment (D.2).

### **D.2.b) Flow Diagram of the whole process**

Figures 2.1 and 2.2 in Section 2 of the EIS (Volume 2) show the proposed process flows for the facility.

### **D.2.c) Details of any aspects of the facility that can cause emissions to the environment during normal operations and also in the event of a malfunction of interruption of services.**

Please refer to Section 2 (Control of Nuisances & Environmental Monitoring) Sections 7 (Surface water), 8 (Air) and 10 (Noise) of the EIS Volume 2 for information on the following:

- Noise
- Dust
- Storm water and foul water

For each of the above environmental parameters, there is a discussion of:

- Existing environment
- Potential impacts
- Proposed mitigation measures
- Monitoring
- Control outside of normal conditions

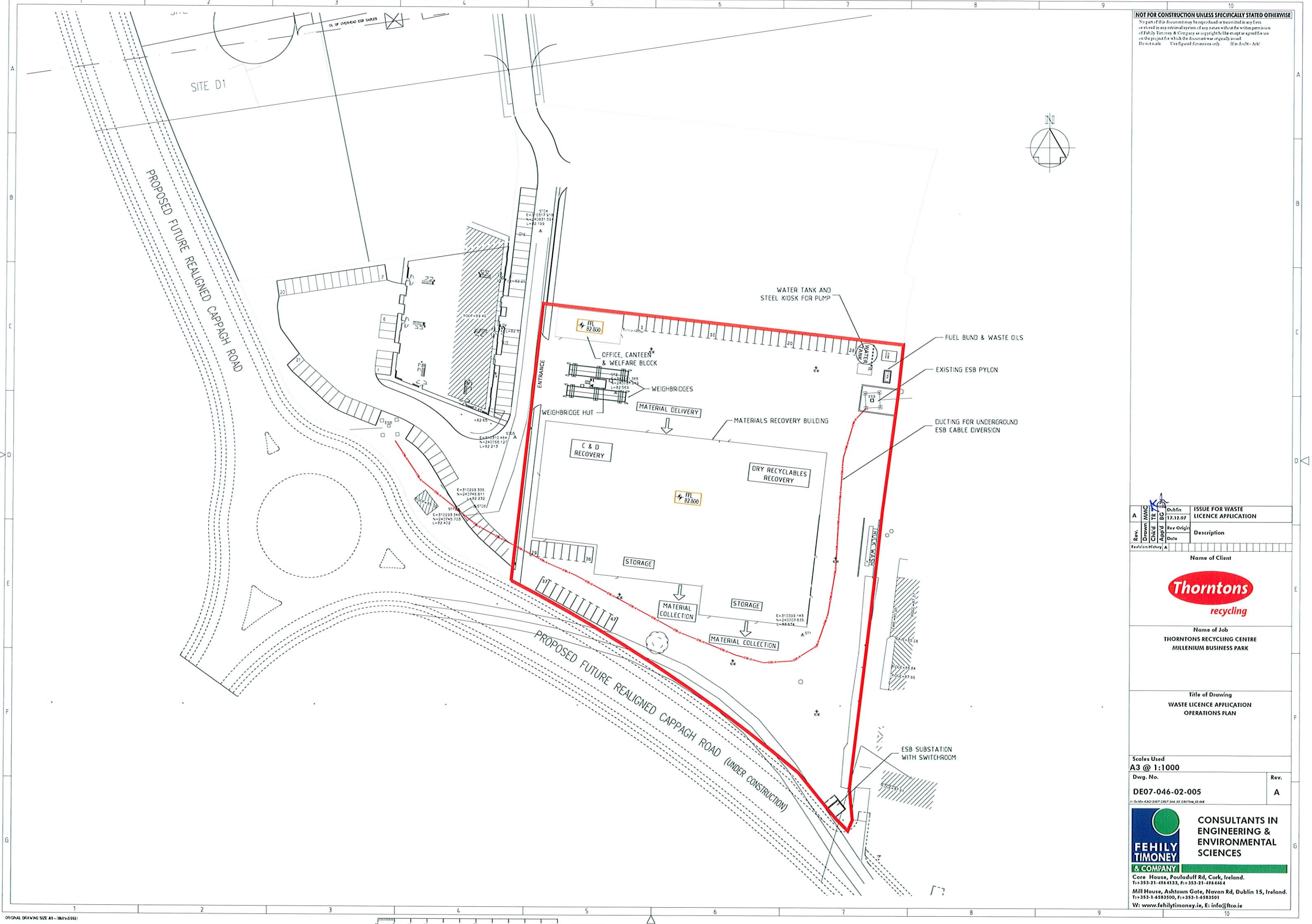
### **D.2.d) Laboratory Facilities**

This is not applicable. See Section 2.5 of the EIS (Volume 2).

### **D.2.e) Incineration facilities**

This is not applicable.

**NOT FOR CONSTRUCTION UNLESS SPECIFICALLY STATED OTHERWISE**  
 No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Fehily Timoney & Company as copyright holder except as agreed for use on the project for which the document was originally issued.  
 Do not scale. Use figured dimensions only. If in doubt - Ask!



NATURAL SCALE  
100m  
50m  
25m  
10m  
5m

Rev.	Drawn	Checked	Appd	Rev Origin	Date	Description
A	MMC	TK	BC	DubIn	17.12.07	ISSUE FOR WASTE LICENCE APPLICATION

Revision History: A

Name of Client  


Name of Job  
 THORNTONS RECYCLING CENTRE  
 MILLENIUM BUSINESS PARK

Title of Drawing  
 WASTE LICENCE APPLICATION  
 OPERATIONS PLAN

Scales Used  
**A3 @ 1:1000**  
 Dwg. No. **DE07-046-02-005**  
 Rev. **A**

**FEHILY TIMONEY & COMPANY**  
 CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES  
 Core House, Pouladuff Rd, Cork, Ireland.  
 T: +353-21-4964133, F: +353-21-4964464  
 Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.  
 T: +353-1-6583500, F: +353-1-6583501  
 W: www.fehilytimoney.ie, E: info@ftco.ie

-Blank Page-

---

## **ATTACHMENT E EMISSIONS**

---

Figure 2.3, Attachment A2 of this document indicates the proposed monitoring location map. This map shows locations for dust, noise, foul and storm water monitoring. The only point source emissions at the site will be to the foul and storm sewers. The monitoring locations for sampling emissions will be located on site just inside the site boundary. The actual emission points may be considered to be the foul and storm manholes that are located just outside the facility entrance and are shown on Drawing No. D1 Foul Sewer, Storm Water and Watermain Site Layout in Appendix 1 of the EIS (Volume 2).

### **Attachment E.1 Emissions to Atmosphere**

Emissions to the atmosphere are outlined in Section 8 of the EIS (Volume 2).

### **Attachment E.2 Emissions to Surface Water**

There will be no emissions to surface water from the proposed development. Refer to Section 7 of the EIS (Volume 2).

### **Attachment E.3 Emissions to Sewer**

A trade effluent will not be generated at this site. Emissions to sewer will be from domestic sewage and foul water collected from periodic floor washings and from the truckwash. This is outlined in Section 2.5 of the EIS (Volume 2) under the heading Sewerage and Surface Water Infrastructure.

### **Attachment E.4 Emissions to Groundwater**

There will be no direct discharges to groundwater.

### **Attachment E.5 Noise Emissions**

Noise emissions from the proposed facility are discussed in Section 10 of the EIS (Volume 2).

## **Attachment E.6      Environmental Nuisance**

Environmental nuisance is discussed in various sections of the EIS and as a general topic in Section 2.6.5 of the EIS (Volume 2).

Dust and Road cleansing is discussed in Section 8 of the EIS particularly Section 8.3 and 8.4.

Fire Control is discussed in 2.5 of the EIS under the heading Fire Control.

Traffic Control is discussed in Section 2.5 under the heading Traffic Control and Section 11 considers the impacts of traffic.

### Vermin

It is not anticipated that vermin will be attracted to the facility as there will be no food source. However, regular checks will be carried out and if required, poison will be employed at the facility. In this case data and safety sheets will be forwarded to the Agency.

### Litter

Due to the nature of the waste and the fact that all waste unloading, sorting and processing will take place indoors with quick release doors, there is not a risk of nuisance from litter. Regular checks of the site will spot and collect any windblown litter.

---

## **ATTACHMENT F CONTROL & MONITORING**

---

### **Attachment F.1 Emissions and Abatement**

#### To Atmosphere

Details of air abatement controls are outlined in Section 8 of the EIS (Volume 2).

#### To Surface Water

There will not be any emissions to surface water. Emissions to sewer and storm emissions are outlined in Section 7 of the EIS (Volume 2) and the proposed monitoring schedule is discussed in Section 2.8 of the EIS (Volume 2).

#### Noise Emissions

Details of noise mitigation measures are outlined in Section 10 of the EIS (Volume 2).

### **Attachment F.2 – F.6 Monitoring and Sampling Points**

The parameters to be monitored at the site include storm water, noise, dust and emissions to sewer. The monitoring methods and frequencies proposed in the EIS (Volume 2) Section 2.8 are for those monitoring points which will remain in place at the site during its operation. The proposed monitoring point locations are shown on Figure 2.3 of the EIS (Volume 2).

Environmental monitoring will be undertaken by either Thorntons Recycling staff or a competent environmental scientist(s) contracted by the applicant. This person(s) will be responsible for ensuring that sampling is undertaken in compliance with EPA protocols. The results and interpretative reports will be prepared on a basis specified by the waste licence for the facility and submitted in a manner suitable for presentation to the EPA.

### **Attachment F.2 Air**

Refer to Section 2.8 and Section 8 of the EIS (Volume 2).

### **Attachment F.3 Surface Water**

For monitoring of storm water and emissions to sewer, refer to Section 2.8 and Section 7 of the EIS (Volume 2). There will not be any emissions to surface water.

**Attachment F.4 Sewer Discharge**

Refer to Section 2.8 and Section 7 of the EIS (Volume 2).

**Attachment F.5 Groundwater**

Not Applicable

There will not be any discharges to groundwater. Refer to Section 6 of the EIS Volume 2.

**Attachment F.6 Noise**

Refer to Section 2.8 and Section 10 of the EIS (Volume 2).

**Attachment F7 Meteorological Data**

Not Applicable

**Attachment F.8 Leachate**

Not Applicable.

**Attachment F.9 Landfill Gas**

Not Applicable.



---

## ATTACHMENT G RESOURCE USE AND ENERGY EFFICIENCY

---

### Attachment G.1 Raw Materials and Product

Table G.1 outlines the raw materials and energy which are anticipated to be consumed at the facility on an annual basis. They are based on other similar facilities operated by Thorntons Recycling.

**Table G.1: Anticipated Raw Material Consumption per Annum**

Resource	Quantities
Diesel Oil	900,000 Litres
Lubricant Oil	4,000 Litres
Coolant/Antifreeze	1,000 Litres
Electricity	990,500 kWh
Water	732,000 Litres*
Cleaning Chemicals (disinfectant)	200 Kg (diluted 50:1, water to chemical)

\*water is not used in the process, domestic use and cleaning only.

Diesels, lubricant and hydraulic oils and any small volumes of cleaning chemicals will be stored in a bunded area.

It is not anticipated that vermin will be attracted to the facility as there will be no food source. However, regular checks will be carried out and if required, poison will be employed at the facility. In this case data and safety sheets will be forwarded to the Agency.

### Attachments G.2 Energy Efficiency

Electricity will be used to provide light and energy to the facility. Diesel will be used to fuel some of the plant machinery.

---

## **ATTACHMENT H MATERIALS HANDLING**

---

### **Attachment H.1 Waste Types and Quantities**

Refer to application form; no additional details are required here.

### **Attachment H.2 Waste Acceptance Procedures**

Section 2.6.2 of the EIS (Volume 2) details the proposed waste acceptance procedures for the facility. They are the existing Thorntons Recycling standard operating procedures for the acceptance, handling and processing of waste. They will be adapted and developed for the proposed facility prior to commencement of operations.

### **Attachment H.3 Waste Handling**

Section 2.6.2 of the EIS (Volume 2) details the proposed waste handling procedures for the facility. Section 2.6.3 of the EIS (Volume 2) gives details of the plant and processes that are proposed, which are also relevant to waste handling. As for the waste acceptance procedures, the waste handling procedures are based on those in place at existing Thorntons Recycling facilities.

### **Attachment H.4 Waste Arisings**

There may be some residual wastes generated at the facility; i.e. contaminants that are removed from the waste stream and small quantities of municipal waste generated in the canteen and on-site offices. Any residual waste generated will be stored in wheelie bins and collected regularly for transfer to an appropriate licensed facility.

---

## **ATTACHMENT I EXISTING ENVIRONMENT AND IMPACT OF THE ACTIVITY**

---

### **Attachment I.1 – Assessment of Atmospheric Emissions**

Section 8 of the EIS (Volume 2) assesses the existing air quality and the potential impacts of the proposed environment.

### **Attachment I.2 – Assessment of impacts of surface water discharges on the receiving waters**

Not Applicable. There are no receiving waters in the vicinity of the site.

There is an assessment of impacts due to storm water run-off in Section 7 of the EIS (Volume 2).

### **Attachment I.3 – Assessment of impact on receiving sewer**

Section 7 of the EIS (Volume 2) makes an assessment of the impact of the facility on the receiving storm water sewer in terms of calculating attenuation capacities etc. No trade effluent will be generated at the facility and therefore an assessment of the impact on the foul sewer was not considered necessary. Section 2.5 (under the heading Sewerage and Surface Water Infrastructure) explains the drainage layout. The discharges to the foul sewer are considered at this stage not to be significant. Monitoring of the emission (prior to discharge of foul from the welfare and canteen facilities) is proposed. This is detailed in Section 2.8 of the EIS (Volume 2). It is also proposed to monitor the discharge to the storm sewer.

### **Attachment I.4 – Assessment of impact of groundwater and soils**

Not Applicable. There are no discharges to groundwater or soils. This is discussed in brief in Section 6 of the EIS (Volume 2).

### **Attachment I.5 – Ground and/or groundwater contamination**

Not Applicable.

### **Attachment 1.6 – Noise Impacts**

Section 10 of the EIS assesses noise levels in the existing environment and the potential noise impacts of the proposed environment.

### **Attachment I.7 – Assessment of Ecological Impacts and Mitigation Measures**

Section 5 of the EIS details the ecological assessment that was carried out, as well as the mitigation measures proposed.

---

## **ATTACHMENT J ACCIDENT PREVENTION AND EMERGENCY RESPONSE**

---

A public liability certificate is included in this attachment in accordance with the guidance note.

Drawing D1. Foul Sewer, Storm Water and Watermain Site Layout is included in Appendix 1 of the EIS (Volume 2).

### **Attachment J.1 – Accident Prevention and Emergency Response**

It is not anticipated that the operation of the facility will present any danger to the public. Access to the site will be restricted to employees, hauliers and pre-arranged visitors. All visitors, once on site, will be accompanied by a member of staff at all times. Procedures will be put in place to ensure the health and safety of all persons entering the site (Refer to Section 3 of the EIS Volume 2). During the construction of the facility, all site workers will be required to have a FÁS Safepass.

Emergency Response Procedures will be developed prior to facility operation and will deal with unexpected emissions and other eventualities e.g. fire or plant breakdown. Unexpected emissions/eventualities are not anticipated, however if they do arise they will be dealt with as per the procedures.

The Emergency Response Procedures will include details of persons to contact, emergency services numbers and actions to be taken.

Thorntons Recycling has comprehensive Emergency Plans in place at their other licensed facilities and have ISO 14001 and OHSAS 18001 certification on all sites owned by the company. It is expected that this site will also receive certification following development.

#### **Fire**

It is envisaged that the nature of the operation does not pose a major risk of fire. Fire control measures are discussed in Section 2.5 of the EIS (Volume 2). In the event of a fire, the entire site is hardstanding and fire fighting water will drain to the storm water drainage system. An attenuation tank is proposed as part of the design and there is also an attenuation tank at the entrance to Millennium Business Park. A firewater retention plan will be prepared prior to commencement of operations.

#### **Safety Procedures On-Site**

Safety procedures will be developed specific to the site. These procedures will apply to the entire site area. The safety procedures will be constantly reviewed by a safety officer/site manager and the operators of the facility. The facility will be operated in full accordance with documented procedures, including operational procedures, emergency procedures, etc. All processes will be continuously monitored and recorded. Regular safety audits will be carried out on site to ensure the safety of all personnel working on or visiting the facility.

All processes will be carried out within the dedicated building. Vehicular traffic movements within the site will be restricted and monitored and all traffic movements will be subject to strict procedures, in full accordance with health and safety requirements.

Other operational health and safety aspects, such as noise, air quality, etc. are discussed in the relevant sections of the EIS. Measures will be taken in the design of the facility to minimise the impact of these aspects on health and safety.

### **Site Staff**

Fully trained staff will operate the facility. It is envisaged that staff numbers will be in the region of 40 for the facility. The staff will be made up of:

- Facility Manager
- Assistant Facility Manager
- Administrative Staff
- Machine Operators
- Drivers
- General Operatives

The facility manager will oversee the running of the facility and will be responsible for the day to day operations. He/She will be responsible for all reporting, auditing and liaison with the Local Authorities and the EPA. The facility manager will be trained in all required aspects of the operations, including waste acceptance and handling procedures and the environmental management of the facility.

Staff will be present on site at all times during opening hours to supervise and carry out operations and to deal with any emergencies. Key staff will be on-call to respond to any emergency situation outside of normal working hours.

Relevant training as required by the EPA Waste Licence will be provided to the staff. In addition, an environmental management system (EMS) will be installed at the facility and all operating procedures will adhere to this system.

The nature of materials on site, C&D and dry recyclables mean that the risk of spills and contamination is negligible. An emergency response plan will be prepared to deal with a potential fire at the facility.

### **Operational Failure of Plant and Equipment/Emergency breakdown**

Breakdown of equipment will be handled by prompt repair and/or replacement of equipment. Equipment on-site is maintained on a regular basis. In the event of long-term breakdown (48 hours) of equipment or plant waste will be diverted to an authorised facility. Thorntons Recycling own and operate their own maintenance garage with 15 full time mechanics, fitters and electricians. Critical spare part storage and an emergency call out service is available to all sites.



**Attachment J.I.1 - Public Liability Certificate**



FBD House,  
Bluebell, Dublin 12,  
Tel. (01) 409 3201  
Fax. (01) 478 3108 / 450 7246  
Country and Area  
Code 353-1.

Corporate Insurance Brokers & Risk Management Consultants

Re: **Padraig Thornton Waste Disposal Ltd and Thornton Recycling Centre Ltd**

**To Whom It May Concern:**

This is to confirm that we act as Insurance Brokers for the above client and that we currently hold the following covers in place on their behalf:-

**Employers Liability:**

Covering the legal liability of the insured to employees for death or bodily injury or disease arising out of and in the course of their employment by the insured in the business as described during the period of insurance.

Insurers: FBD plc  
Policy No.: 00433053/04/01  
Renewal Date: 1<sup>st</sup> July 2008

**Limit of Indemnity:**

€13,000,000 any one occurrence inclusive of all costs and expenses.

**Public / Products Liability:**

Covering the legal liability of the insured for accidental bodily injury to third party persons or accidental damage to third party material property arising in connection with the business and subject to the limit of indemnity specified. Including legal liability arising out of goods sold or supplied.

Insurers: FBD plc  
Policy No.: 00433053/04/01  
Renewal Date: 1<sup>st</sup> July 2008

**Limit of Indemnity:**

Public Liability €2,600,000 any one accident  
Products Liability €2,600,000 any one period

**Motor Insurance:**

Covers the Insured's Liability to Third Parties for vehicles being used in connection with the insured's business. Personal Injury cover is unlimited and Third Party Property Damage limit is €1,300,000 and €30,000,000 for private cars.

Insurers: FBD plc  
Policy No.: 00433053/22/01  
Renewal Date: 1<sup>st</sup> July 2008

**Excess Public/Products Liability and Motor TPPD**

Insurers: AIG  
Policy No.: EXL03924 & EXL03925  
Renewal Date: 1<sup>st</sup> July 2008

**Limit of Indemnity:**

Increases the underlying limits up to a maximum of €6.5m

**Indemnity to principals clause applies to all policies**

Cover is subject to Insurers policy terms and conditions. We trust that this is in order but if you require further details, please do not hesitate to contact the undersigned.

Yours sincerely

*P.P. L.S.*  
**Fergal Britton**  
Service Executive  
☎ (01) 409 3296



---

## **ATTACHMENT K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE**

---

The operation of the facility will be ongoing with an open ended lifespan. When operations cease at the facility it is expected that the bulk of the site infrastructure will be sold on to a prospective buyer as an asset. This will include the site buildings, offices, weighbridge, fencing, gates, lighting and drainage/sewage infrastructure. Other plant may also be acquired by the potential buyer. However, if not this will be sold to other potential buyers separately or dismantled and disposed of at a licensed facility. All skips and trucks will be removed from the site and sold separately or disposed of appropriately.

When operations cease at the facility all waste will be removed and disposed of at an appropriately licensed recovery/disposal facilities. All site floors and process buildings will be power swept and washed to clear all debris and dust. All interceptors will be cleaned. The waste from the cleaning operations will be disposed of at relevant licensed facilities.

A monitoring programme of all potential emissions including storm water, foul water and dust will be conducted after the decommissioning process in order to ensure that emissions from the facility have ceased. The monitoring programme will consist of monitoring rounds which will be agreed with the EPA and carried out within six months of decommissioning of the facility.

When operations have ceased, and assuming confirmation from the monitoring programme that emissions have ceased, it is expected that there will be no requirement for long term aftercare management at the site.

---

## **ATTACHMENT L STATUTORY REQUIREMENTS**

---

### **Attachment L.1 – Statutory Requirements**

The information submitted in the Waste Licence Application and its attachments, including the Environmental Impact Statement complies fully with Section 40 (4) [(a) to (i)] of the Waste Management Acts.

Best Available Technology (BAT) will be used throughout the development.

### **Attachment L.2 Fit and Proper Person**

#### Technical & Qualifications

Attachment C.1 outlines the applicant's technical knowledge and qualifications.

#### Financial Information

Financial information (audited accounts for 2004 and 2005) relating to Thorntons Recycling is provided in Attachment L.2.1. Financial provisions will be put in place to address risk liabilities. The cost of managing, developing, operating and monitoring the facility will be borne by the applicant.

#### Convictions

The company was prosecuted under the provisions of Section 39 of the Waste Management Act 1996 for breaches of its Waste Licence (W0044-01). The breaches occurred within a year of the grant of the initial waste licence in November 1999 and were mostly due to failure to provide reports to the EPA and other procedural matters. At the time of the breaches, the company was ill-prepared for the level of bureaucracy associated with the waste licence and was not adequately staffed with environmental personnel to service the licence. The Killeen Road facility now has a full time, suitably qualified, environmental manager and a deputy manager and the company is complying with its current Waste Licence W0044-02.

The company was prosecuted under the provisions of the Waste Management Act 1996 to 2003 for breaches of its Waste Licence (W0044-02) for failure to comply with conditions relating to the licence limit on tonnage for the year of 2005. Since this date Thorntons Recycling has invested in other licensed and permitted facilities to allow for the processing of this excess waste from the Killeen Road facility. The company are now in compliance with its licence limits under W0044-02.

The company was prosecuted under the provisions of Section 39 (1) and 39(9) of the Waste Management Act 1996-2003 for breaches of its Waste Licence (W0044-02) for failure to comply with condition 6.2 of the licence and caused an odour nuisance on one day the 7th November 2005. Since this date Thorntons Recycling has invested in approved technology and resources for the treatment of odorous air at the facility and there have been no further breaches since 2005.

The Applicant has never been convicted under EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.


**Attachment L.2.1 - Audited Accounts**

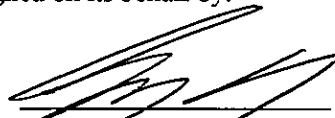
**Padraic Thornton Waste Disposal Limited**

**Consolidated Balance Sheet  
as at 31 December 2006**

	Notes	2006 €	2005 €
<b>Fixed Assets</b>			
Intangible assets	9	-	1,080,003
Goodwill	9	2,380,265	3,356,565
Tangible assets	8	45,328,701	47,742,344
		<u>47,708,966</u>	<u>52,178,912</u>
<b>Current Assets</b>			
Stocks	11	23,909	-
Debtors	12	9,795,869	8,083,193
Investments		110,767	110,767
Cash at bank and in hand		20,867	101,498
		<u>9,951,412</u>	<u>8,295,458</u>
<b>Creditors: amounts falling due within one year</b>	13	<u>(12,902,557)</u>	<u>(13,297,067)</u>
<b>Net Current Liabilities</b>		<u>(2,951,145)</u>	<u>(5,001,609)</u>
<b>Total Assets Less Current Liabilities</b>		44,757,821	47,177,303
<b>Creditors: amounts falling due after more than one year</b>	14	(22,574,019)	(29,719,568)
<b>Provision for Liabilities and Charges</b>		<u>(389,643)</u>	<u>(389,643)</u>
<b>Net Assets</b>		<u><u>21,794,159</u></u>	<u><u>17,068,092</u></u>
<b>Capital and Reserves</b>			
Called up share capital	15	4	4
Profit and loss account		21,794,155	17,068,088
<b>Equity Shareholders' Funds</b>	18	<u><u>21,794,159</u></u>	<u><u>17,068,092</u></u>

Approved by the Board on 26<sup>th</sup> June 2007 and signed on its behalf by:

  
Carmel Thornton  
Director

  
Gary Brady  
Director