

APPENDIX 1

Thorntons Recycling Emergency Response Plan 2016

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Emergency Response Plan

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2016

Contents

Introduction	3
Objectives	3
Definitions.....	4
Emergency	4
Environmental Incident.....	4
Incident Severity & Level of Response.....	4
Emergency Responsibilities	5
Emergency Resources.....	6
First Aid Facilities.....	6
Fire Fighting Equipment	6
Communications	6
Protection of Vital Equipment	6
Training & Information	7
Fire Fighting.....	7
Fire Warden.....	7
Drills and Practices	7
Safety Data Sheets (SDS).....	7
Site Evacuation Procedure.....	8
Evacuation of General Public.....	8
Sealing surface and foul water drains.....	9
Appendix 1- Responsibilities of Health & Safety Department	10
Appendix 2- Fire Response	11
Appendix 3- Response to Emergency Calls	13
Appendix 4 - Emergency Contact Details	14
Appendix 5 - Emergency Response Log	16
Appendix 6 - First Aid Room Equipment & Contents of First Aid Boxes	17
Appendix 7 - Fire Wardens	18
Appendix 8 – Emergency Map.....	19
Appendix 9 – Killeen Road: After Emergency Return to Work Checklist	20

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Introduction

Clear procedures in the event of an emergency are required in any working environment. They are of particular importance to Thorntons Recycling, given that the company utilizes heavy machinery and fixed plant machinery.

The requirements for such procedures are referred to in general in the Safety, Health and Welfare at Work Act, 2005 and the (General Application) Regulations, 2007.

Objectives

The objectives in drawing up this emergency plan are to:

- a) Contain and control incidents so as to minimise effects and to limit damage to persons, property and the environment;
- b) Implement the measures necessary to protect persons and the environment from the effects of a major incident;
- c) Provide clear directions to all personnel regarding responsibilities and procedures to be followed in the event of an incident;
- d) Communicate the necessary information to the public, the emergency services and authorities concerned;
- e) To ensure that measures are in place to minimise the risk of any environmental contamination at company sites, arising out of a health and safety incident;

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Definitions

Emergency

A situation which can escalate rapidly and, if not brought under control quickly, may well result in serious injury, death, major property damage or major damage to the environment.

An emergency of any kind will normally be handled initially by the person discovering that emergency. If the incident is of such a nature that the person discovering it cannot handle it then he is responsible for initiating the Emergency Response Plan.

An emergency will require either raising a site alarm and/or an external alarm.

Environmental Incident

The following shall constitute an incident under waste licenses W0044-02, W0206-01, W0195-02:

- a) An emergency;
- b) Any emission which does not comply with the requirements of this license;
- c) Any exceedance of the daily duty capacity of the waste handling equipment;
- d) Any trigger level specified in this license which is attained or exceeded; and
- e) Any indication that environmental pollution has, or may have, taken place.

Incident Severity & Level of Response

Incidents can be classified into two levels of severity, each of which has an associated response.

Level 1 - Minor

Can typically be dealt with by the person identifying the problem. The Supervisor should be informed and the incident formally logged; this will permit assessment of the incident particularly with regard to the possibility of re-occurrence and the potential for a more serious event.

Examples: minor localised fire, minor injury, containable environment incident

Level 2 – Major

Immediate action should be taken by the person identifying the incident and the Emergency Response Plan implemented. The Supervisor should be immediately informed and should assess the situation. Thereafter, the Supervisor will contact the necessary emergency services and Facility Manager. The Facility Manager will inform the Health & Safety Manager and/or Environmental Manager, depending on type of incident, and Directors.

Examples: serious injury, fire (other than described in Level 1 above), bomb scare, gas leak, biohazard or radioactive scare, human remains, uncontainable environmental incident

Emergency Responsibilities

	Responsibilities
All On-Site Personnel	<ul style="list-style-type: none"> In case of fire raise alarm using break glass units and 2-way radio (Kilmainhamwood only) Proceed immediately to assembly point
Identifier	<ul style="list-style-type: none"> Take immediate action Firefight using one extinguisher only, if safe to do so Remove persons from any imminent danger, if safe to do so Inform Supervisor immediately
Supervisor	<ul style="list-style-type: none"> Assess the severity of the incident Evacuate the incident location, or the entire site (depending on severity) <p>For Level 1 Incident -</p> <ul style="list-style-type: none"> Inform Facility Manager <p>For Level 2 incident -</p> <ul style="list-style-type: none"> Immediately contact necessary emergency services and Facility Manager In event of fire open roof vents In event of fire or large oil spill seal surface and foul water drains Inform the Health & Safety Department Take whatever action is appropriate and safe with the resources available
First Aider	<ul style="list-style-type: none"> Administer first aid, in accordance with training
Fire Warden	<ul style="list-style-type: none"> Evacuate site, carry out roll call, in accordance with training
Facility Manager/ Designated Person in Charge	<p>Note: The Designated Person in Charge should make an assessment of the emergency and carry out the following activities as appropriate. The activities may be delegated to other staff.</p> <ul style="list-style-type: none"> Evacuate site Carry out Roll Call Contact emergency services Turn off power supply to site at ESB substation (key on weighbridge) Contact ESB Secure area to prevent access by unauthorized persons Liaise and ensure cooperation with emergency services Contact Directors Liaise with Health & Safety Department who, in turn, will liaise with external parties (local authority, HSA, EPA) Log and record events (refer to Appendix 5 - Emergency Response Log) Conduct de-brief with relevant staff after emergency is over
Health & Safety Department	<ul style="list-style-type: none"> Refer to Appendix 1- Responsibilities of Health & Safety The Environmental Manager will investigate and report to the EPA incidents as required under conditions 9 and 11 of waste licenses
Managing Director	<ul style="list-style-type: none"> Media contact. Only the Managing Director may speak to media.
Emergency Team	<ul style="list-style-type: none"> Manage the emergency together: Managing Director, Operations Director, Facility Manager, Health and Safety Department, Transport Manager

Emergency Resources

This section describes the resources that are provided for dealing with emergencies. These resources must be monitored and maintained to ensure that they are available at all times;

First Aid Facilities

The following first aid facilities are provided:

First Aid Room, located at Killeen Road, serves the following locations:

- Killeen Road
- MDR
- Head Office
- Garage
- Bin Repair
- Labre Park
- Security Shredding

Additional first aid supplies are located at:

- MDR
- Head Office
- Garage
- Bin Repair
- Security Shredding
- PDM Woodchipping
- Kilmainhamwood Compost
- Dunboyne
- State Warehouse

See Appendix 4 – Emergency Contact Details for a list of trained and appointed First Aiders

See Appendix 5 - Emergency Response Log

See Appendix 6 – First Aid Room Equipment & Contents of First Aid Boxes

Fire Fighting Equipment

See

. Fire hydrants and fire extinguishers are provided throughout the site.
Only use these if you feel it is safe for you to do so

Communications

See Appendix 4 - Emergency Contact Details

Protection of Vital Equipment

Designated 'Critical Parts' have been protected with automatic fire suppression systems. The Thorntons Recycling Computer Server, located on the ground floor of the administration building at Unit S3B, Henry Road, is fitted with an Automatic Fire System. In the event of activation, accidental or otherwise, access to these rooms shall be restricted. Only on declaring the room safe can other personnel enter the room.

Training & Information

Fire Fighting

All Thorntons Recycling personnel receive basic fire-fighting instruction as part of their induction. Fire-fighting should only be attempted if safe to do so. Only one extinguisher should be used.

Fire Warden

Fire wardens are identified and trained at each site. Fire wardens play a role in the event of a fire and also in site checks; emergency escape routes, fire suppression equipment, emergency lighting.

Drills and Practices

A full evacuation of each facility will be practiced at least once annually. The date and time of the practice will be determined by the Health & Safety Department and communicated only to the Facility Manager.

The Health & Safety Department will make the necessary arrangements for drills, monitor the response and report on same to the Facility Manager & Managing Director.

Safety Data Sheets (SDS)

- SDS are available at the following locations:
 - Site Office
 - X Drive

Site Evacuation Procedure

ACTION BY PERSONS DURING A SITE EVACUATION ON ANY SITE CONTROLLED BY THORNTONS RECYCLING

The following steps are to be taken if an incident occurs that requires the general evacuation of the site, e.g. fire, bomb scare, biohazard or radioactive scare, uncontrollable hazardous chemical spill

1. Assess the situation. Inform Supervisor immediately.
2. DO NOT approach an injured person or accident unless it is safe to do so.
3. Ring the Emergency Number (999/112) and activate the Evacuation Alarm. If safe to do so, stay with the injured person(s) until the arrival of Emergency Services.
4. On hearing the evacuation alarm, or having been told to evacuate, all employees, contractors and visitors must evacuate the area to the nearest Assembly Point (See Appendix 8 – Fire Point Map).
5. All employees responsible for contractors and visitors must ensure their safety in the event of an emergency requiring evacuation.
6. Leave the area quickly, but do not run. Do not stop to collect personal belongings.
7. Designated fire wardens to take the names of all employees, contractors and visitors. This is to be passed to the Designated Person in Charge (Facility Manager or their deputy).
8. Remain at the Assembly Point until told to leave.

UNDER NO CIRCUMSTANCES do you re-enter your work area until the Designated Person in Charge, gives the ALL-CLEAR SIGNAL.

ALL CLEAR SIGNAL
THE ALL CLEAR SIGNAL WILL BE A VERBAL COMMUNICATION
BETWEEN THE DESIGNATED PERSON IN CHARGE AND
STAFF/CONTRACTORS/VISITORS.

Evacuation of General Public

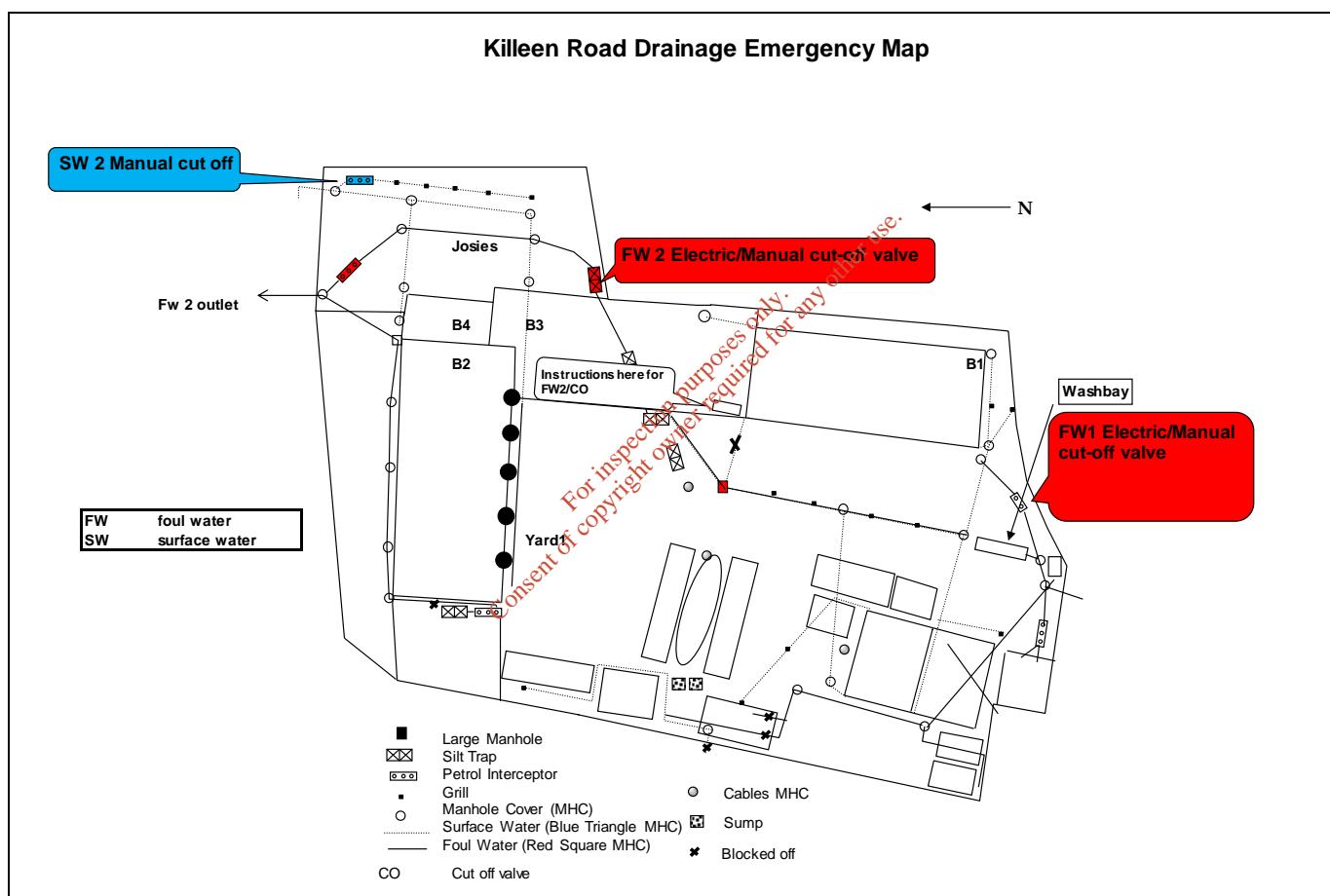
It is not anticipated that an incident would require Thorntons Recycling to initiate evacuation of the general public, and that any evacuation of the general public would be initiated by the relevant authorities.

Sealing surface and foul water drains

In the event of a Level 2 (Major) fire or uncontainable oil/chemical spill the discharge to the foul water and surface water systems must be blocked off.

Killeen Road

- 1) There are two foul water electric cut-off valves at FW1 and FW2:
 - a) FW1 cut-off valve is located between the wash bay and the diesel fuelling bay. Instructions are located on the wall at location.
 - b) FW2 cut-off valve is located in the South-West corner of Josie's yard beside the odour treatment system. The instructions and controls are on the adjacent wall.
- 2) There is one surface water manual cut-off location in the North-East of Josie's yard, SW2. To seal this lift the manhole cover and insert a bung (stored in cabinet in hallway outside Environment office) in the outlet pipe.



Dunboyne

- 1) There is one foul water holding tank immediately inside the civic amenity entrance on the right. There is one surface water holding tank in front of the site canteen, close to S3. These tanks are fed by all site pipes.
- 2) Open the white pump control box at each location and hit the emergency stop button on the holding tank pumps, or switch pumps to manual off position, which will prevent water from leaving the site

Kilmainhamwood

- 1) There are two surface water discharge pipes, one fed from roof run-off and one from yard run-off, both pipes are located at SW1, at the car park.
- 2) Get two bungs from the weighbridge office and place in each of these discharge pipes

Appendix 1- Responsibilities of Health & Safety Department

General

- Give direction and assistance where required during the incident and its aftermath
- Ensure relevant Emergency Services have been called
- Ensure the Directors and relevant Facility Manager have been called
- Take evidence from witnesses at the scene and make note of any piece of evidence
- Complete an incident investigation with the Facility Manager and relevant staff

Serious Injury

- Notify HSA that an accident has occurred, as per requirements
- Ensure all relevant details and/or evidence are recorded and retained (e.g. witness statements, photographs) for legal or insurance purposes, and to cover the possibility that the accident becomes a fatality
- Ensure that Facility Manager/Human Resources Manager notify family of affected person(s)

Fatality

- Supply the HSA with the name of the deceased, location of the accident and brief particulars of the accident, by the quickest practicable means
- Send a written report of the incident, in the approved form, to the HSA as soon as practicable
- Notify the Gardaí and furnish relevant information
- Ensure that the scene of the incident is not be disturbed until either
 - The accident scene is examined by a HSA Inspector
 - Three clear days have elapsed since notification of the accident to the HSA
- Ensure all relevant details and/or evidence are recorded and retained (e.g. witness statements, photographs) for legal and insurance purposes.
- Collect information and prepare report.
- Ensure that Managing Director/Operations Directors/Human Resources Manager notify family of affected person(s)

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Appendix 2- Fire Response

Fire Type	Hazards	Response	Evacuation	Special Equipment
All fires	General fire hazards; smoke inhalation, burns, fatality	Raise alarm. Break nearest Break Glass Unit Evacuate all personnel to Assembly Point. Ensure roof vents have opened automatically, if not open manually (Killeen Road) IF SAFE TO DO SO – Help to rescue injured staff IF SAFE TO DO SO - Tackle the fire using one fire extinguisher	All persons to Assembly Point	Fire extinguishers Water supply
Acetylene, LPG cylinders	Violent explosion Flying cylinders (or parts of cylinders)	Fight fire from as great a distance as water pressure permits. Keep compressed gas cylinders as cool as possible by means of large quantities of water. Deliver the water by means of a spray from hydrant or fire tender. DO NOT extinguish the flame of a burning cylinder - it is better to allow escaping gas to burn. When fire has burnt itself out, cool down cylinders completely by means of large quantities of water delivered as above.	All persons other than emergency personnel to be evacuated to a distance of at least 500m	Water supply from hydrant or fire tender
Electrical	Electrocution Toxic fumes and/or smoke Explosion of electrical components Asphyxiation due to non-oxygen environment	ELECTRICIAN/SUPERVISOR ONLY - Isolate electrical supply, or electrical equipment in the area DO NOT use water or foam unless complete electrical isolation is confirmed Use CO2 or powder extinguisher on small electrical fires DO NOT enter confined spaces as there may be a toxic atmosphere	All persons other than emergency personnel to be evacuated from the area	Access to electrical supply Self-contained breathing apparatus (fire service)
Diesel Fuel/Oil	Explosion, especially fuel tanks Toxic fumes Dense smoke	Stop fuel flow if possible and safe to do so (e.g. close tank valve). Apply foam in large quantities. If foam is not available apply water as a fine mist or fog. DO NOT apply water as a direct stream to burning fuel.	If fire has taken hold all persons other than emergency personnel to be evacuated to a distance of at least 500m	Foam extinguishers Water supply Self-contained breathing apparatus (fire service)
Belt/Chute/Hopper	Molten rubber - may spread fire Toxic fumes Dense smoke	Cool rubber belts as quickly as possible using foam or water If toxic fumes or smoke are present - withdraw and leave to fire service (self-contained breathing apparatus required)	All persons other than emergency personnel to be evacuated upwind of fire location.	Foam extinguishers Water supply Self-contained breathing apparatus (fire service)
Vehicle, Mobile	Fire may produce	Engine fire:	Consider initial	Fire extinguishers

Fire Type	Hazards	Response	Evacuation	Special Equipment
Equipment	irritating, poisonous or corrosive gases	<p>Shut off engine and any electrical equipment and leave off. Use fire extinguisher provided in vehicle if safe to do so. Inject contents through any available opening, without raising the bonnet if possible. If necessary, extinguish the fire with sand, earth or large amounts of water.</p> <p>Cabin & body fire: Shut off engine and electrical equipment and leave off. Remove burning materials if safe to do so. Use fire extinguisher provided in vehicle if safe to do so. If necessary, extinguish the fire with sand, earth or large amounts of water. If safe to do so, move undamaged material from the fire area. Cool material with flooding quantities of water until well after fire is out.</p> <p>Tyre fire: Stop vehicle. Assess fire in relation to load and its hazards. If safe to do so flood tyre with plenty of water. If water is not available, use fire extinguisher provided in vehicle. If safe to do so, change tyre and place at least 15m from vehicle</p>	<p>evacuation for 200m in all directions. If unable to control fire, evacuate immediate area.</p>	<p>Water supply Breathing Apparatus (Fire service)</p>
Workshop	<p>Toxic fumes, smoke and gasses Explosion of compressed gas cylinders Flying cylinders (or parts of cylinders)</p>	<p>For compressed gas cylinders - see above If safe to do so, use extinguisher to extinguish small fire If fire is significant, isolate electrical supply at switchboard Remove mobile equipment from workshop if safe to do so</p>	<p>All persons other than emergency personnel to be evacuated to a distance of at least 500m</p>	<p>Fire extinguishers Access to electrical supply</p>
Structural	<p>Structural collapse Explosion</p>	<p>ELECTRICIAN/SUPERVISOR ONLY - Isolate electrical supply at switchboard Isolate fuel sources IF SAFE TO DO SO - Remove obstructions, vehicles, etc.</p>	<p>All persons other than emergency personnel to be evacuated from the area</p>	

Appendix 3- Response to Emergency Calls

1) Dealing with Call

- (1) Ask caller to **Remain Calm**.
- (2) Ask caller to **State Who They Are**.
- (3) Get as much relevant information as possible:
 - (a) Type of emergency – fire, motor vehicle accident, environmental spill, hazardous material spill, bomb threat (see below), etc.
 - (b) Location of emergency – this should be as accurate and precise as possible
 - (c) Are there injuries – how many, how severe
 - (d) Have the emergency services been called already?
- (4) When satisfied you have all relevant information ask caller to **HANG UP**.

2) Raising Alarm

- (1) **Fire in Head Office building** - Activate the Emergency Fire Alarm.
- (2) **All Emergency calls** – contact Facility Manager (See Appendix 4 - Emergency Contact Details). If unsure who to contact, call Managing Director. Give all details of emergency call.

3) If Facility Manager or Managing Director cannot be contacted immediately

(1) Injury or other medical emergency:

- (i) Contact the nearest First Aider and convey details (See Appendix 4 - Emergency Contact Details)
- (ii) Dial 999 or 112 and convey details.

(2) Fire:

- (i) Contact the Operations Manager or fire wardens to raise the alarm and evacuate the site
- (ii) Contact Fire Brigade and convey details.

Bomb Threat

Details to be Recorded:

- Call Taken By
- Date/Time call was taken
- Duration of call
- Number call was received from (if available)
- Name/address of caller (unlikely to be given)
- Any details of the caller which could identify them (sex, age, accent, background noises)

Questions To Ask:

- When is the bomb going to explode?
- Where is the bomb?
- What does the bomb look like?
- Why was the bomb placed?
- Who placed the bomb?
- What will make the bomb explode?
- Where are you?

Appendix 4 - Emergency Contact Details

Main Emergency Services & Reporting Bodies

Fire Brigade – Ambulance - Gardaí	999/112
Environmental Protection Agency (EPA)	01 268 0100
Health & Safety Authority (HSA)	1890 289 389
ESB Emergency Contact	1850 372 999
Parkwest Medical Centre	01 620 4399
Inland Fisheries Ireland	1890 34 74 24
Dublin City Council Drainage Dept	01 222 2155
Meath County Council Drainage Dept	046 909 7000

Thorntons First Aiders

Killeen Road – Day shift	Sorin Chira	086 828 5987
Killeen Road – Evening shift	Tomas Raciunas	N/A
MDR – Day shift	Alex Valean & Vali Jurjea	086 607 2377 & 086 858 5850
MDR – Evening shift	Alan Tit	086 410 7158
Head Office/ Security Shredding	David Duff, Jennifer Long	086 8371959
Bin Repair	Daniel Chew	086 043 6773
Woodchipping	Marek Krakowski	086 171 0200
Kilmainhamwood Compost	Trevor Gaynor	N/A
Dunboyne	Mark Conroy	086 852 1783
State Warehouse	Conor Cremin	083 414 4734

Thorntons Management

Operations Director	Paul Thornton	087 202 8288
Liquid Waste/Compost Director	Shane Thornton	086 824 0425
Managing Director	Gary Brady	086 412 9539
Environmental Health & Safety Manager	David Duff	086 837 1959
Killeen Road Facility Manager	Tom McKiverigan	086 830 7080
MDR Facility Manager	Vali Jurjea	086 858 5850
Security Shredding Facility Manager	Declan Kennedy	087 992 2166
Maintenance Manager	Ted Moran	086 601 1855
Bin Repair Manager	John Smullen	086 601 3495
Woodchipping Facility Manager	Tom McKiverigan	086 830 7080
Kilmainhamwood Facility Manager	Sean Campbell	086 856 3431
Dunboyne Facility Manager	Tom McKiverigan	086 830 7080
State Warehouse Facility Manager	Eamon Flanagan	086 854 4572
Tankers Manager	Mark Conroy	086 852 1783
Transport Manager	Conor Sunderland	086 853 6359

Keyholders

Bin Repair

John Smullen	086 601 3495
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Dunboyne

Paul Thornton	087 202 8288
Ciaran Dowling	086 381 9940
Mark Conroy	086 852 1783
David Farrell	086 604 4496

Labre Park Maintenance Shed

Killeen Rd weighbridge	086 828 5987
John Smullen	086 601 3495
Tom McKiverigan	086 830 7080
Paul Thornton	087 202 8288
Gary Brady	086 412 9539

Garage

Killeen Rd weighbridge	086 828 5987
Paul Thornton	087 202 8288
Tom McKiverigan	086 830 7080
Gary Brady	086 412 9539

Head Office

Killeen Rd weighbridge	086 828 5987
Paul Thornton	087 202 8288
Gary Brady	086 412 9539
Tom McKiverigan	086 830 7080

Killeen Road

Killeen Rd weighbridge	086 828 5987
Tom McKiverigan	086 830 7080
Paul Thornton	087 202 8288
Gary Brady	086 412 9539

Kilmainhamwood

Sean Campbell	086 856 3431
Shane Thornton	086 824 0425
Paul Thornton	087 202 8288

Labre Park Revenue Shed

Killeen Rd weighbridge	086 828 5987
Paul Thornton	087 202 8288
Gary Brady	086 412 9539
John Smullen	086 601 3495

May

Killeen Rd weighbridge	086 828 5987
Vali Jurjea	086 858 5850
Paul Thornton	087 202 8288
Conor Sunderland	086 853 6359
Gary Brady	086 412 9539

Shredding

Killeen Rd weighbridge	086 828 5987
Paul Thornton	087 202 8288
Declan Kennedy	087 992 2166
Conor Sunderland	086 853 6359

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Appendix 6 - First Aid Room Equipment & Contents of First Aid Boxes

First Aid Room Equipment which meets HSA First Aid requirements

1. Examination Couch
2. Paper Disposable Cover In A Roll For The Couch
3. Pillow
4. Blanket
5. Paper Disposable Towels
6. Smooth Top Work Surfaces
7. Cabinet For First Aid Material Storage
8. Bin
9. Chairs
10. Stretcher
11. Disposable gloves
12. Bandages and padding
13. Plasters
14. Burn gel
15. Eye wash solution
16. Heartstart 911 Advisory De-Fib (1)

Contents of First Aid Boxes

1. 2 x Eye Pad Dressings
2. 24 x Adhesive Plasters
3. 6 x Triangular Bandages⁴
4. 3 x Wound Dressings (Size 10)
5. 2 x Wound Dressings (Size 9)
6. 6 x Wound Dressings (Size 8)
7. 10 x Antiseptic Wipes
8. 10 x Eye Wash Solution 20ml bullets
9. 1 x Paramedic Shears
10. 1 x Tweezers
11. 6 x Latex Gloves (3 pairs)
12. 12 x Safety Pins
13. 1 x Antiseptic Cream 15grm tube
14. 1 x Surgical Tape (1")
15. 5 x Sterile Swabs (7.5 x 7.5cm)

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Appendix 7 - Fire Wardens

Killeen Road

	Day	Night
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Tom McKiverigan	Marius Brazas
Deputy DPIC goes to alarm panel and investigates fire with DPIC	Mariusz Bil	Przemyslaw Niedziejko
Evacuate C&I/C&D shed	Calin Chetan/ Bartosz Machla	Calin Chetan/ Bartosz Machla
Evacuate SRF shed	Fuchs driver	Fuchs driver
Evacuate yard	Robbie Doyle	Glen Cassidy/ Alan Cooney
Evacuate garage, canteens, changing rooms, toilets	Gregorz Mielczarek	Maintenance?
Get staff roll call and go to assembly point	Sorin Chira	Weighbridge operator
Get visitors sign-in book & go to assembly point	David Duff	Weighbridge operator

MDR

	Day	Night
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Vali Jurjea	Alin Tit
Deputy DPIC goes to alarm panel and investigates fire with DPIC	Alex Valean	Donatas Anisimavicius
Evacuate shed	Stefan Andrescu	Alin-Cosmin Mitoseriu
Evacuate canteen, changing rooms, toilets	Alex Rus	Ioan Sabado
Get staff roll call & visitors book & go to assembly point	Sarunas Valatavicius	Gary Carmody/ Ioan Sabado (after 1900)

Shredding

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire	Declan Kennedy	John Broughal
Evacuate shed	John Broughal	Any person in shed

Head Office

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Conor Sunderland	David Duff
Evacuate upstairs	Mark Lee	David Quinn
Evacuate downstairs	Declan Brennan	Mick Palmer
Get staff roll call & visitor book & go to assembly point	Laura Collins	Suzy Lawlor

Kilmainhamwood

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy. Radios all staff to evacuate buildings	Sean Campbell	Robbie Brady
Evacuate sheds	All operators	
Evacuate office block. Get staff roll call & visitors book & go to assembly point	Sean Campbell	Robbie Brady

Dunboyne

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Ciaran Dowling	Paul Wildish
Evacuate sheds, yard, site canteen & toilets	Ciaran Dowling	Paul Wildish
Evacuate office block & civic amenity site	Paul Wildish	Ciaran Dowling
Get staff roll call & visitors book & go to assembly point	Paul Wildish	Ciaran Dowling

Woodchipping

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Marek Krakowski	Arek Paluch
Evacuate site & office block	All operators	
Get staff roll call & visitors book & go to assembly point	Marek Krakowski	

State Warehouse

	Lead	Deputy
Designated Person In Charge goes to alarm panel, investigates fire & checks access monitor in IT room	Conor Cremin	Eamon Flanagan
Evacuate warehouse, yard & office block. Get visitors book & go to assembly point	Pat Young	Eamon Flanagan

Garage

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Charlie Smullen	All operators
Evacuate site	All operators	All operators

Bin Repair

	Lead	Deputy
Designated Person In Charge goes to alarm panel & investigates fire with deputy	Liam Moran	All operators
Evacuate site	All operators	All operators

Appendix 8 – Emergency Map

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Appendix 9 – Killeen Road: After Emergency Return to Work Checklist

- Turn on power at ESB substation
- Is odour system running?
- Are roof vents closed?
- Is diesel fire pump off?
- Are cut-off valves open?
- Start compressor

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APPENDIX 2

An Bord Pleanála Notification of Decision

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An Bord Pleanála



STRATEGIC INFRASTRUCTURE DEVELOPMENT

PLANNING AND DEVELOPMENT ACTS 2000 TO 2016

An Bord Pleanála Reference Number: 06F.PA0048

(Planning Authority: Fingal County Council)

APPLICATION for permission under section 37E of the Planning and Development Act, 2000, as amended, in accordance with plans and particulars, including an environmental impact statement, lodged with An Bord Pleanála on the 11th January, 2017 by Padraig Thornton Waste Disposal Limited care of Fehily Timoney and Company of J5 Plaza North Park Business Park, Dublin.

PROPOSED DEVELOPMENT: The proposed development will primarily consist of the following:

- The development of a materials processing and transfer facility for the acceptance of up to 170,000 tonnes per annum of residual municipal solid waste (MSW), source segregated 'brown bin' waste, waste wood and green waste with the following infrastructure:
- A waste processing building with a gross floor area of 7,323 square metres with elevational signage.
- A bale storage building with a gross floor area of 1,559 square metres.
- An administration building with a gross floor area of 432 square metres.
- A redesigned operational traffic site entrance to facilitate access from the Cappagh Road.
- A secondary entrance from the Millennium Business Park.
- Boundary treatment on the western boundary comprising paladin fencing of circa 2.4 metres in height.
- Weighbridge and weighbridge hut with a gross floor area of 50 square metres.

- ESB substation at entrance from the Cappagh Road.
 - Odour abatement plant for the waste processing building comprising two number vessels and ancillary plant, with a stack of 20 metres.
 - Rainwater harvesting tanks.
 - Fuel storage tank.
 - 16 number car parking spaces.
 - Six number truck parking spaces.
 - Landscaping treatment along the southern site boundary.
 - Foul drainage provision tying into the wider Millennium Business Park network.
 - Surface water provision with attenuation tying into the wider Millennium Business Park network.
 - Other ancillary structures.
- Relocation of one number line termination mast for the Finglas-Ballycoolin 38kV line within the site boundary.
- Demolition of two number existing structures onsite, namely one number disused former residential property (with outbuilding) and one number disused storage building.
- Felling of a number of trees running through the approximate centre of the site in a north-south direction, all at the Millennium Business Park, Cappagh Road, Dublin in the townlands of Grange and Cappoge.

DECISION

GRANT permission under section 37G of the Planning and Development Act, 2000, as amended, for the above proposed development in accordance with the said plans and particulars based on the reasons and considerations under and subject to the conditions set out below.

DETERMINE under section 37H(2)(c) the sum to be paid by the applicant in respect of costs associated with the application as set out in the Schedule of Costs below.

CB

MATTERS CONSIDERED

In making its decision, the Board had regard to those matters to which, by virtue of the Planning and Development Acts and Regulations made thereunder, it was required to have regard. Such matters included the submissions and observations received by it in accordance with statutory provisions.

REASONS AND CONSIDERATIONS

In coming to its decision, the Board had regard to the following:

- (a) national policy with regard to the sustainable management of resources and the development of waste infrastructure,
- (b) the policies and objectives of the Eastern and Midlands Regional Waste Management Plan 2015-2021,
- (c) the policies set out in the Greater Dublin Area Regional Planning Guidelines 2010-2022
- (d) the policies of the planning authority as set out in the Fingal County Development Plan 2017-2023,
- (e) the location of the proposed development, in an area which is zoned in the development plan for 'GE' and 'HI' uses, and is a land use 'Open for Consideration' in these zoning categories, and where it is the policy of the planning authority to facilitate the development of appropriate proposals,
- (f) the environmental licensing regime (Industrial Emissions Directive) under which the facility will be regulated by the Environmental Protection Agency,
- (g) the character of the landscape in the area,
- (h) the characteristics of the site and of the general vicinity,
- (i) the distance to dwellings and other sensitive receptors from the proposed development,
- (j) the environmental impact statement submitted,

- (k) the Appropriate Assessment Screening Report submitted,
- (l) the submissions made in connection with the planning application, including those made by the Environmental Protection Agency and other statutory bodies, and
- (m) the report of the Inspector.

The Board was satisfied that the information before it was adequate to undertake an appropriate assessment screening and an environmental impact assessment in respect of the proposed development.

Appropriate Assessment Screening:

The Board completed an Appropriate Assessment Screening exercise in relation to the potential effects of the proposed development on European Sites, taking into account the nature, scale and location of the proposed development, the Appropriate Assessment Screening Report submitted with the application and the Inspector's report and submissions on file. In completing the screening exercise, the Board adopted the report of the Inspector and concluded that, by itself or in combination with other development in the vicinity, the proposed development would not be likely to have a significant effect on any European Site in view of the sites' conservation objectives, and that a Stage 2 Appropriate Assessment (and submission of a Natura impact statement) is not, therefore, required.

Environmental Impact Assessment:

The Board completed an environmental impact assessment of the proposed development, taking into account:

- (a) the nature, scale and location of the proposed development,
- (b) the environmental impact statement and associated documentation submitted in support of the application,
- (c) the submissions from the applicant, the planning authority, the observers and the prescribed bodies in the course of the application, and
- (d) the Inspector's report.

It is considered that the environmental impact statement, supported by the documentation submitted by the applicant, identifies and describes adequately the direct, indirect, secondary and cumulative effects of the proposed development on the environment. The Board completed an environmental impact assessment in relation to the proposed development and concluded that, by itself and in combination with other development in the vicinity, including other existing warehouse and industrial-type developments, and, subject to the implementation of the mitigation measures proposed, the effects of the proposed development on the environment would be acceptable. In doing so, the Board adopted the report and conclusions of the Inspector.

Conclusions on Proper Planning and Sustainable Development:

It is considered that, subject to compliance with the conditions set out below, the proposed development:

- would align with national and regional waste management policy, enabling increased rates of resource recovery by means of advanced waste treatment.
- would be an appropriate type and scale of facility to be located within this business park environment, which is suitably zoned for general employment, and where a number of similar businesses already operate.
- would not have a significant adverse impact on the amenities of the area.
- would be acceptable in terms of flood risk, odour management, visual impact and traffic safety and convenience of road users.

The proposed development would, therefore, be in accordance with the proper planning and sustainable development of the area.

CONDITIONS

1. The proposed development shall be carried out and completed in accordance with the plans and particulars lodged with the application, as amended by the further points of clarification and particulars received by An Bord Pleanála on the 24th day of April, 2017, except as may otherwise be required in order to comply with the following conditions. Where such conditions require details to be agreed with the planning authority, the developer shall agree such details in writing with the planning authority prior to commencement of development and the development shall be carried out and completed in accordance with the agreed particulars.

Reason: In the interest of clarity.

2. The mitigation measures and commitments identified in the environmental impact statement and other plans and particulars submitted with the planning application shall be implemented in full by the developer, except as may otherwise be required in order to comply with the following conditions.

Reason: In the interest of clarity and the protection of the environment during the construction and operational phases of the proposed development.

3. Details of the materials, colours and textures of all the external finishes and external hard surfaces shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. In this regard:

- (a) No 'Portakabin' or other temporary structures are permitted.
- (b) Architectural details of the proposed administration building and the proposed weighbridge building shall be submitted. The treatment shall achieve a greater level of coherence for all four proposed buildings in terms of materials, textures and colours.
- (c) Appropriate architectural consideration shall be given to the choice of panel material and shading/colour scheme for the waste processing and bale storage buildings.

Reason: In the interest of visual amenity.

4. (a) A comprehensive proposal for an overall signage scheme for the entire facility shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This shall arrive at an attractive, consistent and coherent signage scheme with appropriately dimensioned signs.
- (b) With the exception of the signage scheme agreed under (a) above, no advertisement or advertisement structure, the exhibition or erection of which would otherwise constitute exempted development under the Planning and Development Regulations 2001, as amended, or any statutory provision amending or replacing them, shall be displayed or erected on the building or within the curtilage of the site unless authorised by a further grant of planning permission.

Reason: In the interest of visual amenity.

5. (a) A scheme indicating boundary treatment shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This boundary treatment scheme shall provide a screen along the southern boundary, consisting predominantly of trees, shrubs and hedging of indigenous species. The planting shall be carried out in accordance with the agreed scheme and shall be completed within the first planting season following the substantial completion of external construction works.
- (b) Any plants which die, are removed, or become seriously damaged or diseased within a period of five years from the completion of the proposed development, shall be replaced within the next planting season with others of similar size and species, unless otherwise agreed in writing with the planning authority.

Reason: In order to screen the proposed development, in the interest of visual amenity.

6. The construction of the proposed development shall be managed in accordance with a Construction Management Plan, which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This plan shall provide details of intended construction practice for the proposed development, including:
- (a) location of the site and materials compound(s) including area(s) identified for the storage of construction refuse;
- (b) location of areas for construction site offices and staff facilities;
- (c) details of site security fencing and hoardings;

- (d) details of on-site car parking facilities for site workers during the course of construction;
- (e) details of the timing and routing of construction traffic to and from the construction site and associated directional signage;
- (f) measures to obviate queuing of construction traffic on the adjoining road network;
- (g) measures to prevent the spillage or deposit of clay, rubble or other debris on the public road network;
- (h) alternative arrangements to be put in place for pedestrians and vehicles in the case of the closure of any public road or footpath during the course of site development works;
- (i) details of appropriate mitigation measures for noise, dust and vibration, and monitoring of such levels;
- (j) containment of all construction-related fuel and oil within specially constructed bunds to ensure that fuel spillages are fully contained. Such bunds shall be roofed to exclude rainwater;
- (k) management of construction/demolition waste including excavated soil; and
- (l) means to ensure that surface water run-off is controlled such that no silt or other pollutants enter local surface water sewers or drains.

A record of daily checks that the works are being undertaken in accordance with the Construction Management Plan shall be kept for public inspection by the planning authority.

Reason: In the interest of amenities, public health and safety.

7. Site development and building works shall be carried out only between 0800 and 1900 hours Monday to Saturday inclusive, and not at all on Sundays or bank or public holidays. Deviation from these times shall only be allowed in exceptional circumstances where prior written agreement has been received from the planning authority.

Reason: In order to safeguard the amenities of property in the vicinity.

8. The following details shall be agreed in writing with the planning authority prior to commencement of development:

- (a) The proposed access on to Millennium Business Park to include a three-metre setback to provide a footpath/verge and suitable boundary treatment.
- (b) The proposed entrance on to Cappagh Road, in particular, the boundary details (to include re-use of the existing stone from the existing walls to be demolished), reinstatement of footpath and cycle lanes, and the road markings required for the right-turning lane.
- (c) The entrance overall opening width shall be reduced and gates shall be set-back sufficiently to allow an articulated truck to wait off the public road.
- (d) The provision of a separate pedestrian access and footpath from the main staff entrance to the administration building.
- (e) A revised parking layout minimising the parking area to 16 car parking spaces.
- (f) The provision of 10 covered cycle parking spaces in close proximity to the main entrance.

Reason: In the interest of traffic safety, sustainable transport and to protect the amenities of the area.

9. (a) No storage, either permanent or temporary, of any materials shall occur within the site which is outside of any structure shown on the Site Layout Plan submitted with the planning application.
- (b) Any waste vehicles parked on the apron of the facility shall not contain waste. Any organic material shall be transported to and from the site in sealed containers. No material that would attract birds shall be present on the open areas of the site at any time.

Reason: In the interest of amenities, public health and safety.

10. Prior to commencement of development, a detailed invasive species management plan shall be submitted, and agreed in writing with, the planning authority.

Reason: In the interest of the ecology of the area, and to prevent the spread of invasive species.

11. Water supply and drainage arrangements, including the attenuation and disposal of surface water, shall comply with the requirements of the planning authority for such works and services.

Reason: To ensure adequate servicing of the proposed development and to prevent pollution.

12. The developer shall pay to the planning authority a financial contribution in respect of public infrastructure and facilities benefiting development in the area of the planning authority that is provided or intended to be provided by or on behalf of the authority in accordance with the terms of the Development Contribution Scheme made under section 48 of the Planning and Development Act 2000. The contribution shall be paid prior to the commencement of development or in such phased payments as the planning authority may facilitate and shall be subject to any applicable indexation provisions of the Scheme at the time of payment. Details of the application of the terms of the Scheme shall be agreed between the planning authority and the developer or, in default of such agreement, the matter shall be referred to the Board to determine the proper application of the terms of the Scheme.

Reason: It is a requirement of the Planning and Development Act 2000 that a condition requiring a contribution in accordance with the Development Contribution Scheme made under section 48 of the Act be applied to the permission.

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8

SCHEDULE OF COSTS

In accordance with the provisions of section 37H(2)(c) of the Planning and Development Act 2000, as amended, the amount due to be refunded to the applicant is €77,440.

A breakdown of the Board's costs is set out in the attached Appendix 1.



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Member of An Bord Pleanála
duly authorised to authenticate
the seal of the Board.

Dated this 25th day of May 2017.