



WRS

waste recovery services

**WASTE LICENCE REVIEW
APPLICATION
FOR WASTE RECOVERY FACILITY
CULLENAGH
FERMOY
CO. CORK**

ATTACHMENTS

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Prepared By:
Waste Recovery Services (Fermoy) Ltd.
Cullenagh
Fermoy
Co. Cork

April 2012

ATTACHMENTS

**WASTE LICENCE REVIEW
APPLICATION
FOR WASTE RECOVERY FACILITY
CULLENAGH
FERMOY
CO. CORK**

Revision Status

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0	Issue to the EPA	PL	AD	SD	12/4/12

Client: Waste Recovery Services Ltd.

Keywords: WRS, waste recycling facility, waste licence review application

Abstract: Waste Recovery Services (Fermoy) Ltd. (WRS) is applying to the Environmental Protection Agency for a review of their existing waste licence (W0107-01) seeking an increase in tonnages at the existing waste recovery facility. This document comprises the review waste licence application form and attachments.

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Section A
Non-Technical Summary

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NON TECHNICAL SUMMARY OF THE WASTE LICENCE REVIEW APPLICATION

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

Address of Registered Office: Waste Recovery Services (Fermoy) Ltd. Knockananig, Fermoy, Co. Cork

Address of Facility / Office – For all correspondence: Cullenagh, Fermoy, Co. Cork

(b) Planning Authority

The development is in the functional area of Cork County Council.

(c) Sanitary Authority

There is no discharge to sewer. Fermoy Urban District Council is the sanitary authority for the area.

(d) Location

The facility is located in the townland of Cullenagh, Fermoy, Co. Cork. The National Grid reference for the site is:

E1790

N9575

Drawing B.2.1 shows the location of the site.

(e) Nature of the Development

Existing Development

The WRS site comprises of varying infrastructure including:

- Waste transfer building
- Weighbridge
- Administration office
- Construction and demolition (incl. timber processing area) waste recovery facility
- Surface water management system including holding tank
- Foul water management system and holding tank

Current and Proposed Development

WRS is in operation under waste licence W0107-01 since April 2002. The site consists of an existing waste transfer building and associated site infrastructure. The site itself occupies a total area of c.2.84 Ha. The main activities at WRS are the shredding of timber, sourced from pallets and waste timber and the recycling of material associated with the skip hire business. Any residual waste arising from the materials received in skips is bulked up of prior to transporting off site for disposal/further recovery to a licensed facility.

WRS is currently licensed to accept 6,500 tonnes per annum (tpa). The waste categories in accordance with the current EPA licence are:

Commercial	3,000 tpa
Industrial	1,700 tpa
<u>Construction and Demolition</u>	<u>1,800 tpa</u>
TOTAL	6,500 tpa

WRS are now looking for to increase the waste acceptance at the site to 20,000 tonnes per annum.

The existing type of plant at WRS includes:

- waste storage infrastructure
- weighbridge
- vehicle parking
- hardstanding areas
- waste inspection and quarantine areas
- skip trucks
- front end loader
- skids steer (Bobcat)
- Manitou Telescopic Loader
- mechanical grab
- screener/trommel and picking line
- timber shredders
- excavator
- compressor
- generator

The proposed hours for waste management operations are:

- 06:00 to 21:00, Monday to Saturday and Bank Holidays

The proposed hours for waste acceptance are:

- 07:00 to 20:00, Monday to Saturday and Bank holidays

(f) Class of Activity

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2011, it is proposed to carry out the following classes of activity at the facility.

Waste Management Acts 1996 to 2010	
THIRD SCHEDULE Waste Disposal Activities	Technical Description
D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).	This relates to mixing of waste on the floor of the transfer building prior to being placed into the ejection trailer, walking floor trailer or a skip, pending removal off site to a licensed facility for recovery/disposal.
D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13.	This activity refers to the waste which arrives on site in skips, trailers, and waste collection vehicles and is repacked for transfer for disposal off site to a licensed facility.
D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	This activity relates to the storage of waste material either on the floor of the waste transfer building, outdoors, on hardstanding or in the ejector trailer or a skip etc prior to removal off site to a licensed facility.
FOURTH SCHEDULE Waste Recovery Operations	Technical Description
R 3 Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals.	This activity relates to the recycling or reclamation of timber, green waste and other organic fractions, including paper and cardboard removed from domestic (household skip waste), commercial, industrial and construction and demolition wastes sorted on site, for shredding, bailing, stockpiling on site prior to removal off site.
R 4 Recycling/reclamation of metals and metal compounds.	This activity relates to the recycling or reclamation of metals removed from domestic (household skip waste), commercial, industrial and construction and demolition wastes sorted on site, bailed, or stockpiled in skips or waste trucks pending removal off site to a licensed or permitted facility.
R 5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials. (Principal Activity)	This activity relates to the recovery of plastics, glass, construction and demolition wastes, electronics, soil and stones, and other waste fractions not dealt with under R3 and R4 above for removal off site to a licensed or permitted facility.
R 11 Use of waste obtained from any of the operations numbered R 1 to R 10.	This activity relates to the storage of recyclable/recovered material removed from waste streams received at the site, either within the transfer building or in areas outside the transfer building for recovery/reclamation off site to licensed, permitted facilities or facilities suitable for the reuse of recovered materials. It is proposed to store metals, wood, cardboard, concrete aggregate, glass, bailed plastics in the areas designated for recovery/stockpiling prior to being removed off site for recovery. Also the use of organic matter in composting, recovery of metals, and the use soil/stones and approved construction & demolition wastes in land treatment.

<p>R 12 Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).</p>	<p>This activity covers the processing referred to in R12 of materials such as plastics, metal, wood and residual. The waste is further processed for recovery off site.</p>
<p>R 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).</p>	<p>This activity relates to the handling of waste with regards to operations in a preceding paragraph of the Fourth Schedule.</p>

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(g) Quantity and Nature of Waste

A total of 20,000 tonnes per annum of waste is proposed to be accepted at the facility. The quantity of waste currently accepted and to be accepted at the facility in 2014 (maximum tonnage), is outlined below.

PROPOSED WASTE TYPES FOR ACCEPTANCE AS PER EWC CLASSIFICATION

Waste Type	Tonnes Per Annum	EWC Code/Description
Commercial Industrial & Household Skip Waste	11,600 tpa	02 01 04 Waste Plastic
		02 01 10 Waste Metal
		03 01 01 Waste bark and cork
		03 01 05 Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
		02 01 99 wastes not otherwise specified (Silage plastics, nettings and twines)
		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
		15 01 09 Textile Packaging
		15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
		16 01 03 End of Life Tyres
		16 01 17 Ferrous Metal
		16 01 18 Non-ferrous Metal
		16 01 19 Plastics
		16 01 20 Glass
		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		

Waste Type	Tonnes Per Annum	EWC Code/Description
Commercial Industrial & Household Skip Waste (Cont'd)		19 12 07 Wood other than that mentioned in 19 12 06
		19 12 08 textiles
		19 12 09 Minerals (for example sand, stones)
		19 12 12 Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
		19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
		20 01 01 Paper and cardboard
		20 01 02 Glass
		20 01 10 Clothes
		20 01 11 Textiles
		20 01 38 Timber
		20 01 39 Plastics
		20 01 38 Wood other than that mentioned in 20 01 37
		20 01 40 Scrap Metal
		20 02 01 Green Waste / Biodegradable waste
		20 02 02 Soil and stones
		20 02 03 other non-biodegradable wastes
		20 03 01 Mixed municipal waste
		20 03 03 street-cleaning residues
		20 03 07 Bulky Mixed Waste
		20 03 99 municipal wastes not otherwise specified
C&D	8,390 tpa	17 01 01 Concrete
		17 01 02 Bricks
		17 01 03 Tiles and Ceramics
		17 01 07 Mixture 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 03 02 Bituminous mixtures containing other than those mentioned in 17 03 01
		17 04 01 Copper, bronze, brass
		17 04 02 Aluminium

Waste Type	Tonnes Per Annum	EWC Code/Description
C&D Cont'd		17 04 03 Lead
		17 04 04 Zinc
		17 04 05 Iron and steel
		17 04 06 Tin
		17 04 07 Mixed metals
		17 04 11 Cables other than those mentioned in 17 04 10
		17 05 04 Soil and stones other than those mentioned in 17 05 03
		17 05 06 dredging spoil other than those mentioned 17 05 05
		17 06 04 Insulation materials other than those mentioned in 17 06 01 and 17 06 03
		17 08 02 Gypsum-based construction materials other than those mentioned in 17 08 01
		17 09 04 Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
Household/C&I Hazardous Waste (Both hazardous and non-hazardous waste fractions that are inadvertently accepted in the municipal/household waste skip)	10 tpa	13 02 04* - mineral-based chlorinated engine, gear and lubricating oils
		13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils
		13 02 06* - synthetic engine, gear and lubricating oils
		13 02 07* readily biodegradable engine, gear and lubricating oils
		13 02 08* - other engine, gear and lubricating oils
		20 01 27* paint, inks, adhesives and resins containing dangerous substances
		20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
		20 01 33* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
		16 01 07 - oil filters
		16 02 11* - discarded equipment containing chlorofluorocarbons, HCFC, HFC
		16 02 13* Discarded equipment containing hazardous components e) other than those mentioned in 16 02 09 to 16 02 12
		16 02 14 Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
		16 02 16 Components removed from discarded equipment other than those mentioned in 16 02 15
		16 06 01* lead batteries
		20 01 21* Fluorescent tubes and other mercury containing waste
		20 01 23* - discarded equipment containing chlorofluorocarbons

Waste Type	Tonnes Per Annum	EWC Code/Description
		20 01 27 - paint, inks, adhesives and resins containing dangerous substances
		20 01 28 - paint, inks, adhesives and resins other than those mentioned in 20 01 27
		20 01 33 - batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
		20 01 35* Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
		20 01 36 - discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
TOTAL	20,000 tpa	--

Note : It is proposed to accept approximately 10 tonnes of household hazardous wastes e.g. waste electrical and electronic equipment (WEEE), paints, batteries etc. to allow for quantities of this material which may be inadvertently accepted in with municipal/household waste.

(h) Raw Materials

Electrical energy is used to power pumps, lighting and the administration building; Most of the plant is diesel powered; the amount used 2009-2010 is as follows:

PARAMETER	UNITS	09-10*
Electricity	(kWh)	51,584
Diesel Fuel	(Litres)	215,989
Heating oil	(Litres)	3,000
Hydraulic engine oil	(litres)	3,440

*Based on an average from 2009 and 2010

Water is sourced from an onsite groundwater well and is used in the administration building toilets and on site during the course of the business.

(i) Plant, Processes and Operating Procedures

The main operation at the proposed development will be the recovery of recyclable materials and the acceptance, handling and bulking of non-hazardous waste.

Loaded waste vehicles will arrive at the facility hardstanding area and will pass over a weighbridge before being directed to the relevant tipping areas.

Details of the Site Plan and the internal layout of the waste transfer building are shown on Drawings B.2.2 Rev A and Drawing B.2.2A Rev A. It is proposed that the processing of some skip waste will take place in the waste transfer building and some processed outdoors

depending on suitability. Recovery of plastics and metal recovery will take place within the yard. C&D recovery will take place on the proposed hardstanding area at the eastern side of the site, as shown in Drawing B.2.2 Rev A.

Waste arrives at facility in skips. All the incoming skips are weighed at the on-site weighbridge, where the contents are visually inspected and the origin and waste description is recorded. Skips which contain or are suspected to contain non suitable waste, for example, car batteries, paint, fluorescent light tubes, gas bottles etc will be directed to the waste transfer building, where they will be tipped on to the concrete floor. The waste will be inspected and any non-suitable wastes manually removed and placed in designated receptacles in the Quarantine Area. C&D waste, which is free from non-suitable materials, will be moved to the external C&D processing area.

Skips which are free of non-suitable waste will be directed to the external concreted hard standing area and tipped onto the concrete pad. The waste will be further inspected and any non-suitable wastes will be manually removed and placed in designated receptacles in the Quarantine Area. The waste quarantine area is shown in Drawing B.2.2 Rev A and Drawing B.2.2A Rev A. The waste accumulated in the Quarantine Area will either be returned to the waste producer, or removed off site to an appropriate facility.

Clean cardboard, plastic and bulky wastes, for example pieces of timber, plaster board and metal, will be removed either by a mechanical grab attached to excavator, or manually by general operatives. The clean cardboard and plastic will be baled or bulked up and stored on site before being sent to an approved off-site recycling facility. The plaster board will be placed in a dedicated skip and stored until being sent off-site to an approved treatment/disposal facility. The timber will be sent to the timber stockpile pending shredding in the on-site shredder. The woodchip can be used for animal bedding, composting and is also used as the main raw material in the manufacturing of composite pallet blocks etc. The metals will be placed in skips, and stored until sent off-site to an approved recycling facility.

(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 demonstrates that the proposed facility meets the above requirements of the Act.

(k) Emissions from the Site

Air

The waste transfer building is a minor fugitive odour emission point. The yard is a fugitive dust emission area. There is also a minor emission from the boiler used to heat the administration offices on site.

Proper management of the site and adhering to facility procedures will serve as successful abatement techniques. Handling of wastes which may lead to odours will be dealt with within the waste transfer building and recovery of some C&D material which will occur outdoors will be managed in such a manner as not to give rise to fugitive dust emissions. Dust levels will be kept to a minimum on site as all areas leading into and around the waste transfer building are concreted. Also a good standard of housekeeping around the waste transfer building and trommel/screeners and elsewhere on site will be adhered to.

Site roads and access roads may occasionally get dusty. However, because of the nature of the vehicles entering the site dust accumulation should be negligible. In the event that the roads do get dusty, roads and hardstanding areas will be cleaned regularly using a sweeper/yard scraper and occasional water spraying of the hardstanding areas. Speed restrictions are in place to prevent dust generation (10 kph).

Operations at the facility involve the collection of recoverable material and the compaction and transfer of waste. No liquids, agricultural or sewage sludges will be accepted at the site.

Waste accepted at the facility will have generally undergone relatively little decomposition and so will have little potential for odour generation. For the fraction of domestic/municipal waste that is accepted on site which does have odour generation potential, odour is actively controlled at the waste transfer building by ensuring that the waste is removed from the site within 48 hours. Residual waste is stored in the waste transfer building at all times and is removed from the site regularly to minimise the potential for odour generation.

Noise

During the operation of the waste transfer station, the principal noise sources will include:

- the deliveries of material to the site
- the unloading and loading of waste within the waste transfer building
- material handling within the waste transfer building and the marshalling yard
- operation of mobile plant i.e. wood shredding and C&D recycling plant

On-site machinery is specified and maintained to manufacturers' standards. This standard extends to hired-in plant.

Noise from delivery vehicles is mitigated by speed control and also by the presence and continuing development of screening mounds. As the onsite tree planting grows, it too will mitigate noise. Noise monitoring is currently carried out annually in accordance with the waste licence. There have been no complaints with regards to noise emanating from the facility.

Surface water

In accordance with emission elimination and control techniques, of the BAT guidance notes for the waste sector, all surface water generated on site is routed through an oil-water interceptor.

Surface water management infrastructure encompassing the waste transfer building and the marshalling yard are designed so that the surface water drainage system contains adequate protection from potential pollution sources and does not drain directly into a surface watercourse without interception.

Currently, all surface waters from the yard are sent to the holding tank on site via the oil-water interceptor. Water generated from the washing of vehicles and skips in the yard, is sent to surface water oil water interceptor and then to the surface water holding tank. The water from the holding tank is tankered to Fermoy wastewater treatment plant (WWTP). The location of the surface water holding tank is shown on Drawing B.2.2. Rev A.

It is proposed to divert the surface water generated on site to an existing soak away (Percolation Area P1) via an oil/water interceptor. WRS will consult with the Agency prior to diverting the surface water to the existing soak away.

The leachate drainage system in the waste transfer building is completely isolated from the surface water drainage network. Although the majority of the waste handled is dry waste, any leachate from the waste is collected via a gully trap and sent to the foul water holding tank on site via an oil water interceptor. Records including the chemical composition of the water are sent to Fermoy WWTP operators and held on file for inspection.

A programme of cleaning the oil/water interceptors is implemented on site. WRS undertake regular inspections of drains and surface water courses to ensure that no pollution is entering surface water courses.

Sewer

There is no sewer connection therefore no discharge to sewer.

Groundwater

Foul water from the onsite toilets go to an onsite holding tank. The location of the foul water holding tank is shown on Drawing B.2.2. Rev A. This holding tank is emptied on a regular basis and tankered to Fermoy WWTP for treatment. There is no percolation area associated with the foul water system on site.

Environmental Nuisances

Environmental nuisances such as bird, flies, dust, litter and fire have the potential to occur if not controlled. A number of mitigation measures have been incorporated into the design and operation of the facility to minimise nuisances. These include:

- All waste vehicles are enclosed or covered to prevent any litter entering the environment.
- The access road and hardstanding areas are fully paved and therefore traffic generated dust will be minimal.
- Waste activities are conducted indoors and outdoors. WRS ensure that fugitive dust and odour emissions and the potential for litter generation from the facility are kept to a minimum by ensuring good housekeeping techniques and adherence to the BAT guidance notes for waste transfer facilities.

The building is fitted with fire extinguishers and a fire water supply tank is maintained on site. Any fire water run-off generated will be collected and contained within the waste transfer building or discharges to the onsite foul water retention tank. This will prevent any environmental impacts on the receiving environment due to a fire.

(I) Effects of Emissions

The proposed increase in tonnages will not significantly affect the environment. Further details on emissions can be found in Attachment E and Attachment I of the Waste Licence Review Application.

(m) Monitoring and Sampling Points

Environmental monitoring is conducted at the facility under the existing waste licence W0107-01. In accordance with the waste licence environmental monitoring is currently undertaken at the facility for foul water (retention tank), groundwater, air (dust) and noise emissions. Monitoring points are indicated on Drawing E.1.1 Rev A – Environmental Monitoring Location Map and the groundwater monitoring points identified as 'O'Leary's well' and 'Coughlan's Well' are shown on the 1:5000 Location Map, Drawing B.2.3A Rev A. Any additional monitoring points will be agreed with the Agency.

All environmental monitoring is carried out by qualified persons and where applicable laboratory analysis is carried out by an accredited laboratory. All monitoring is carried out according to established procedures, approved by the Environmental Protection Agency.

(n) Arrangements for Waste Arising from Activity

Staff employed at the facility will use the existing administration office, canteen and welfare facilities which will result in the generation of small quantities of municipal waste. This waste is recovered onsite at the facility as far as possible and the remaining waste will be incorporated into the waste collected at the site and transported offsite for disposal or further recovery.

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

The bulked up waste/residual waste from the facility will be transported to an appropriate licensed facility for disposal or further recovery.

Leachate generated at the facility will be collected in the leachate collection system and conveyed to an offsite waste water treatment plant in Fermoy.

(p) Unauthorised or Unexpected Emissions

The material delivered to the facility will be inspected at the weighbridge and only acceptable waste will be accepted at the facility. Rejected loads will be returned to the originator of the waste.

The waste will be further inspected and any non-suitable wastes will be manually removed and placed in designated receptacles in the Quarantine Area. The waste quarantine area is shown in Drawing B.2.2 Rev A and also in Drawing B.2.2A Rev A. The waste accumulated in the Quarantine Area will either be returned to the waste producer, or removed off site to an appropriate facility.

Staff will be present onsite 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 e.g. night-time, weekends and public holidays.

An emergency response procedure has been prepared and implemented at the facility to prevent accidents and minimise any effects on the environment from accidental emissions or emergency situations. All of these existing procedures will apply to the facility.

WRS will ensure that site practices and best available technology in accordance with BAT principles are adhered to in order to avoid any environmental pollution and mitigate against any nuisance emissions from the facility.

(q) Closure and Restoration

It is anticipated that the facility will be operated indefinitely. However if the facility should close for some unforeseen reason all waste and all equipment will be removed from the facility. Waste would be removed to authorised facilities. Equipment will be recycled where possible. The building where waste activities occur would, (if permissible) remain and would likely be used for another purpose.

If a decision is taken to decommission the facility, the Agency will be notified at least six months in advance of the closure and an aftercare management plan will be prepared and submitted to the Agency within this time period.

Activities at the site are unlikely to result in either groundwater or land contamination as the majority of the site will be made up of concrete hardstanding and there is no permanent storage of waste on site. The nature of activities that occur at the site will ensure that no remediation of the site will be necessary in the event of closure of the facility.

(r) Financial Provisions

WRS will, within reason, meet any financial provision requested by them from the Agency in accordance with the conditions of the waste licence.

(s) European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulation 2000

The above Regulations do not apply to the proposed development.

(t) Geological and Hydrogeological Nature of the Lands

There will be no direct discharges to groundwater from the facility.

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Section B
General

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ATTACHMENT B1 APPLICANT DETAILS

a) **a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;**

The Certificate of Incorporation is attached overleaf.

b) **the Company's Registration Number from the Companies Registry Office**

332011

c) **List of the Company Directors.**

Adrian Dunlea – Quality, Environmental, Health and Safety Manager
Shane Dunlea – Deputy Site Manager and Financial Controller
Ronan Dunlea - Sale Manager & Plant Manager

The site location is shown in the Site Location Map 1:50000 Drawing B.2.1 (Rev A) and the Site Ownership Plan in 1:2500 Drawing B.1.1 (Rev A), with the lands leased by WRS from Mr. John Dunlea shown in with a green boundary line. Lands owned by Mr. John Dunlea are also shown, as is the surrounding land uses, which are predominantly agricultural and forestry.

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Certificate of Incorporation

Number
332011

Certificate of Incorporation

I hereby certify that

WASTE RECOVERY SERVICES (FERMOY) LIMITED

is this day incorporated under
the Companies Acts 1963 to 1999
and that the company is limited.

Given under my hand at Dublin, this
Monday, the 4th day of September, 2000



for Registrar of Companies

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No. 193459

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

WASTE RECOVERY SERVICES

Principal Place of Business

**KNOCKANANIE
FERMOY
CO CORK**

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

5th December, 2000

Dated this **5th December, 2000**


Registrar of Business Names

Section 7 of the above Act requires that when 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.

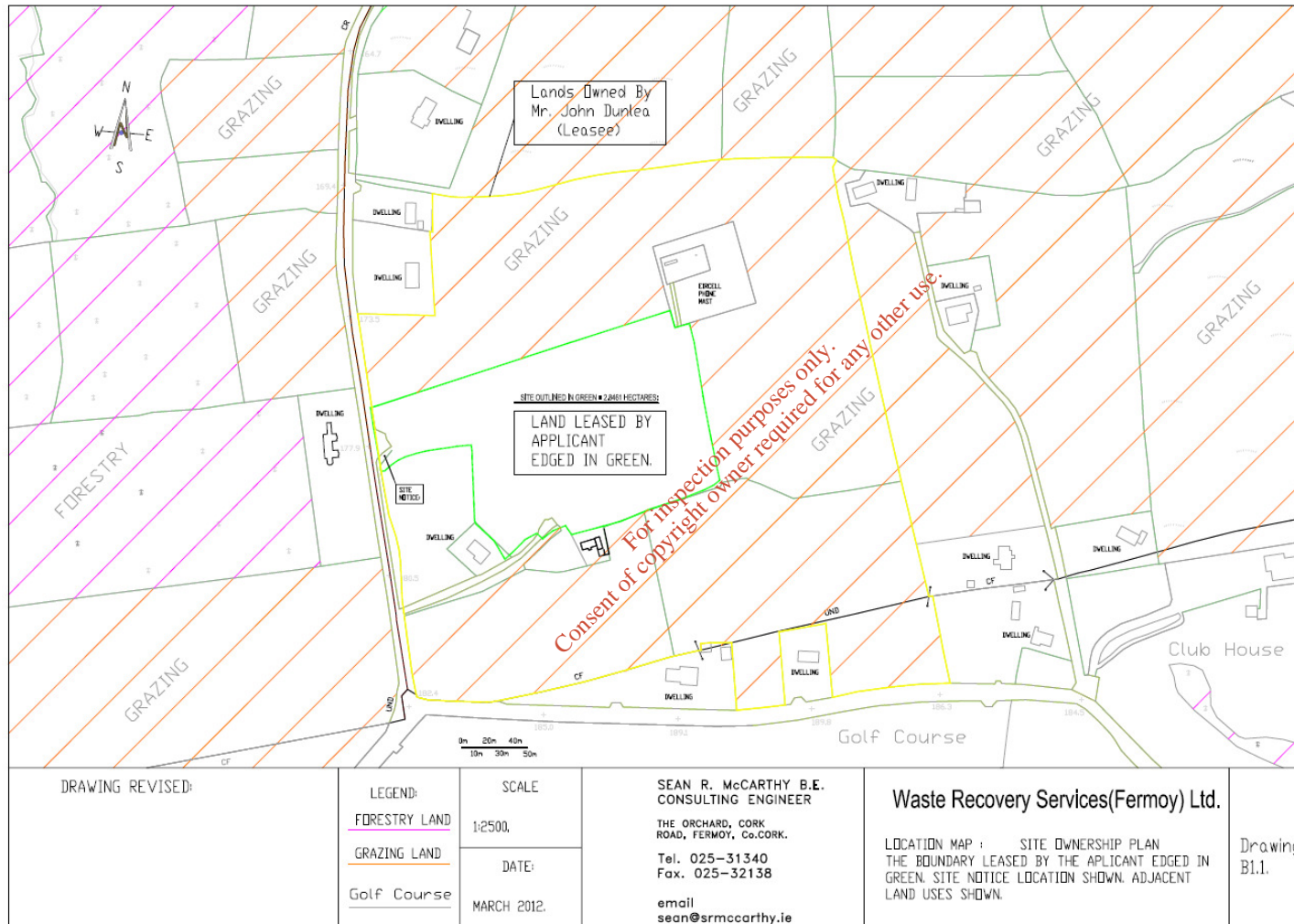
Section 8 (2) provides that "a certificate of registration shall be kept exhibited in a conspicuous position at, in the case of a firm or individual, the principal place of business and, in the case of a body corporate, its registered or principal office in the State and, in every case, in every branch 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 £100."

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 £100."

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

Drawing B.1.1

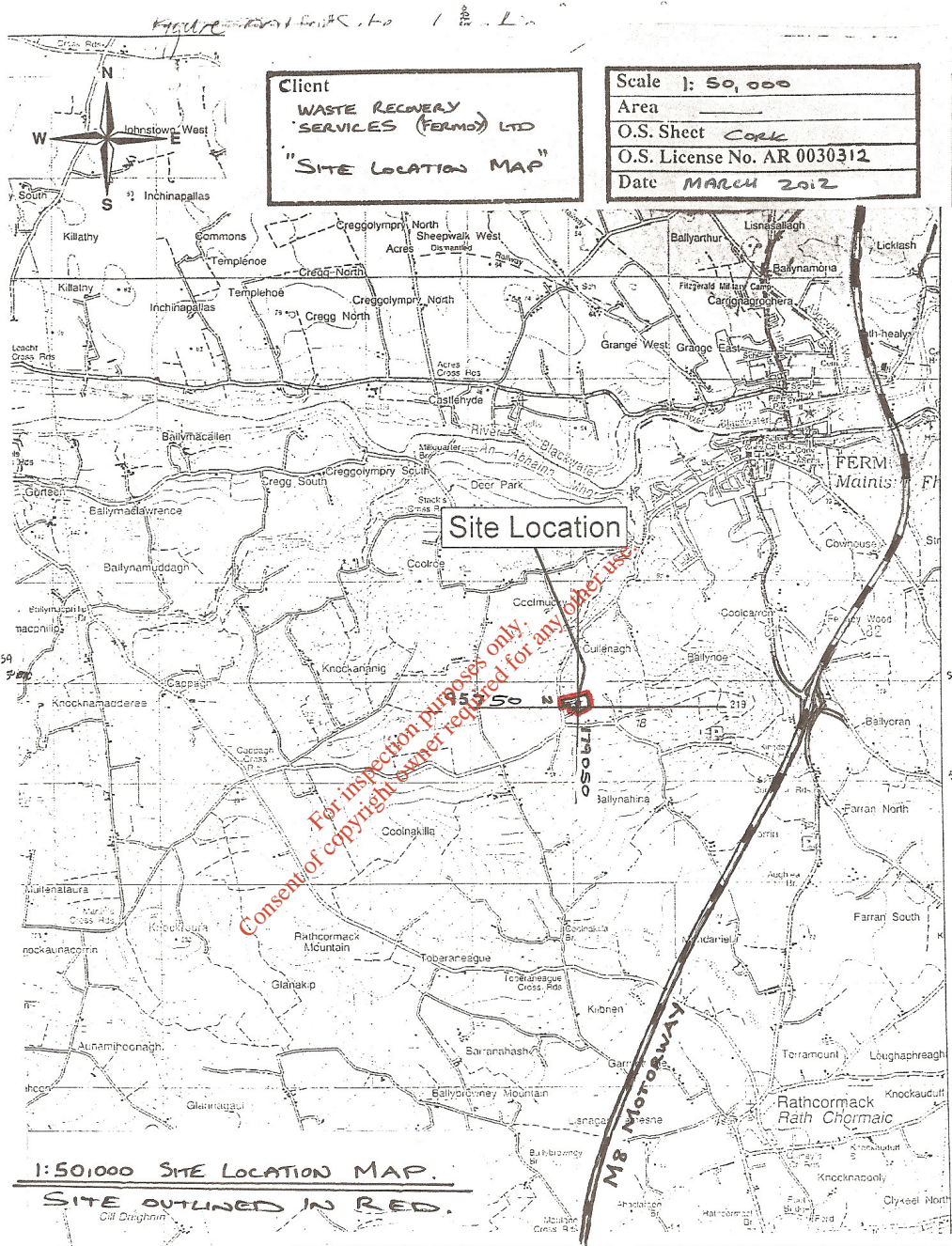


ATTACHMENT B2 LOCATION OF ACTIVITY

- (a) A 1:1000 Site Plan is presented in Drawing B.2.2 (Rev A) and in Drawing B.2.2A Rev A.
- (b) A Location Map showing 250m boundary offset is presented in Drawing B.2.3 (Rev A) and a 500m boundary offset is presented in Drawing B.2.3A (Rev A).
- (c) A Services Plan is presented in Drawing B.2.4 (Rev A)

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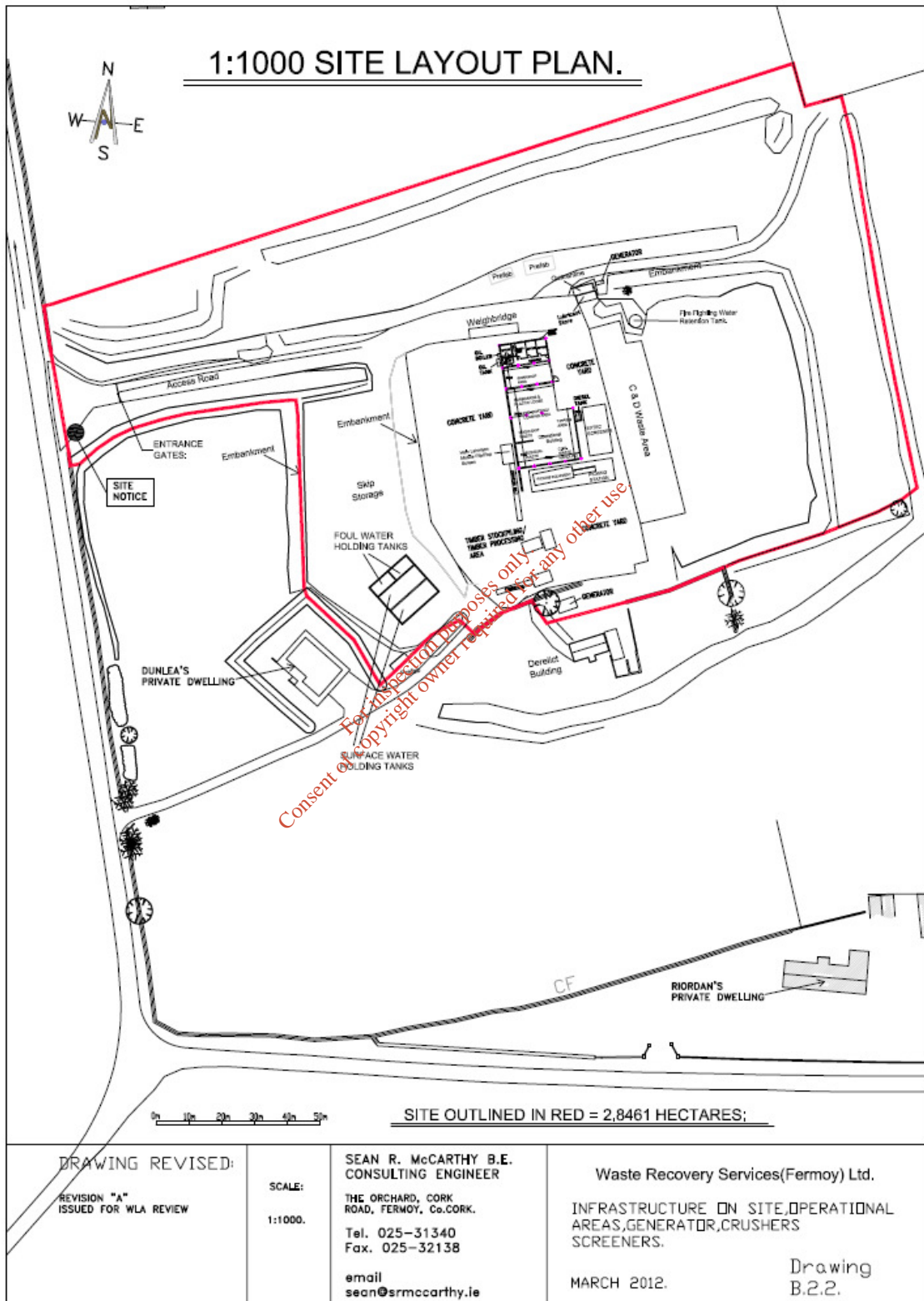
Drawing B.2.1



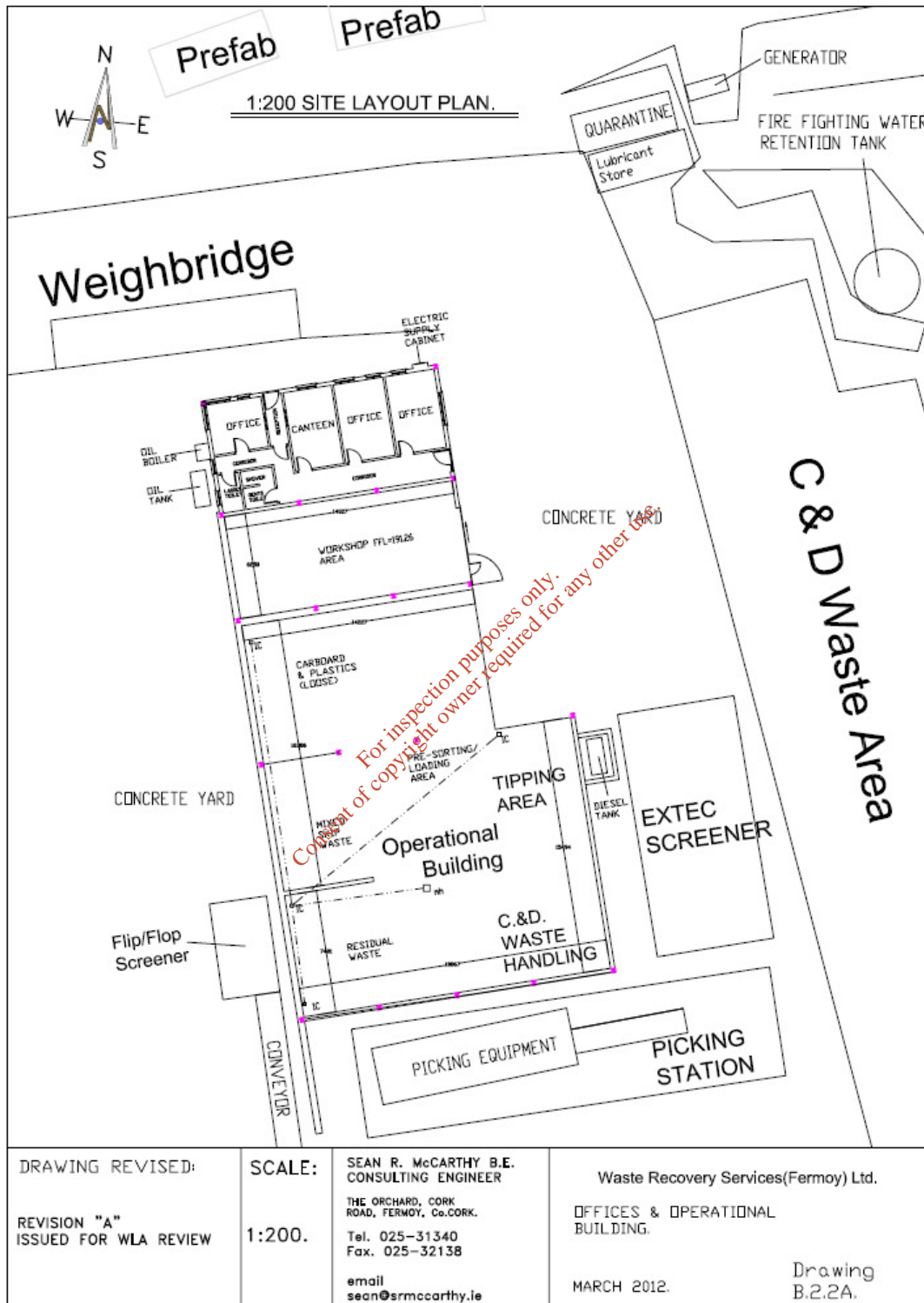
Job No.	D-194
Drawn by	_____
Surveyed by	_____
Drawing No.	B.2.1.

Sean R. McCarthy B.E., Consulting Engineer, The Orchard, Cork Road, Fermoy, Co. Cork. Tel. 025-31340
--

Drawing B.2.2 (Rev A)

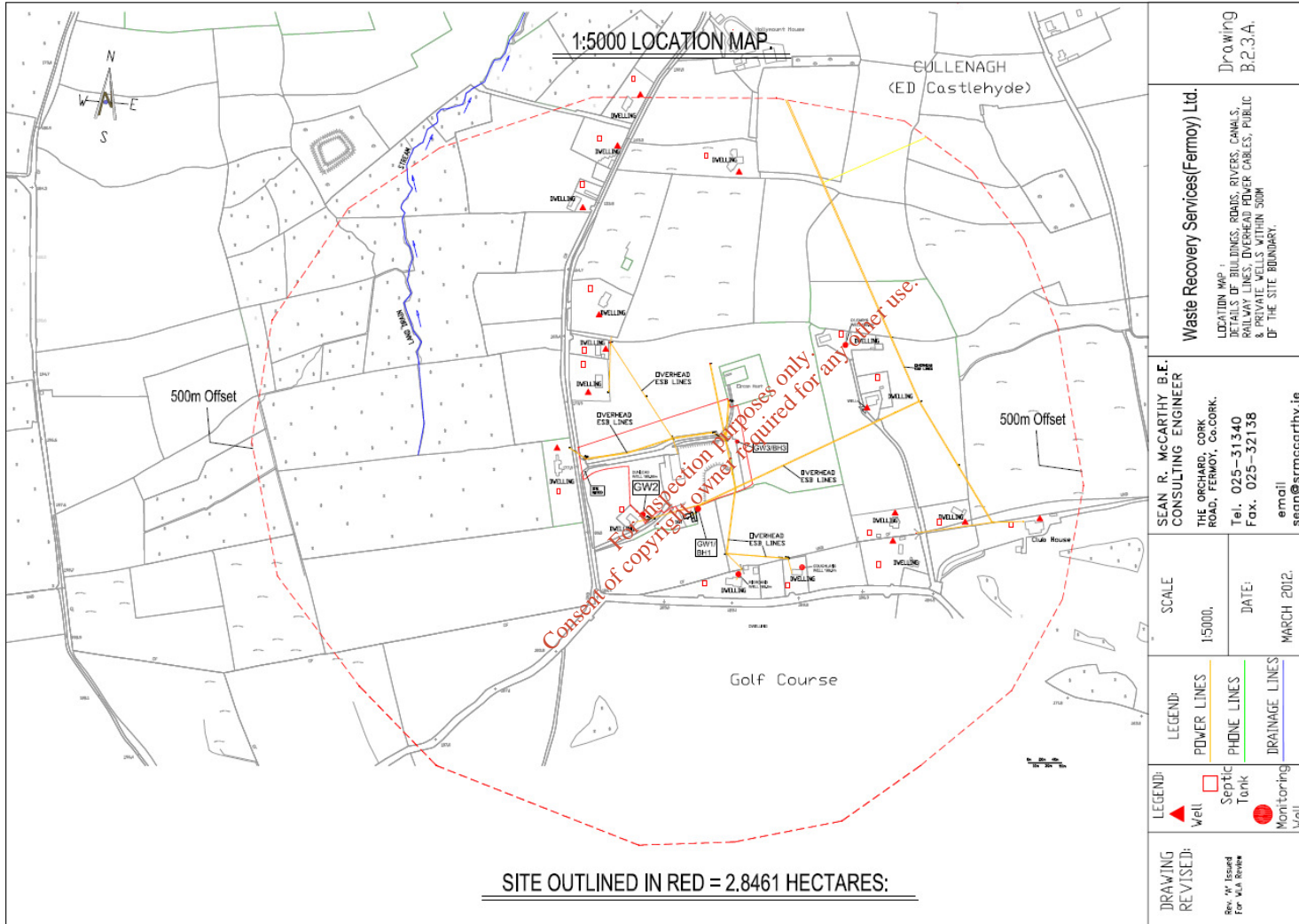


Drawing B.2.2A (Rev A)

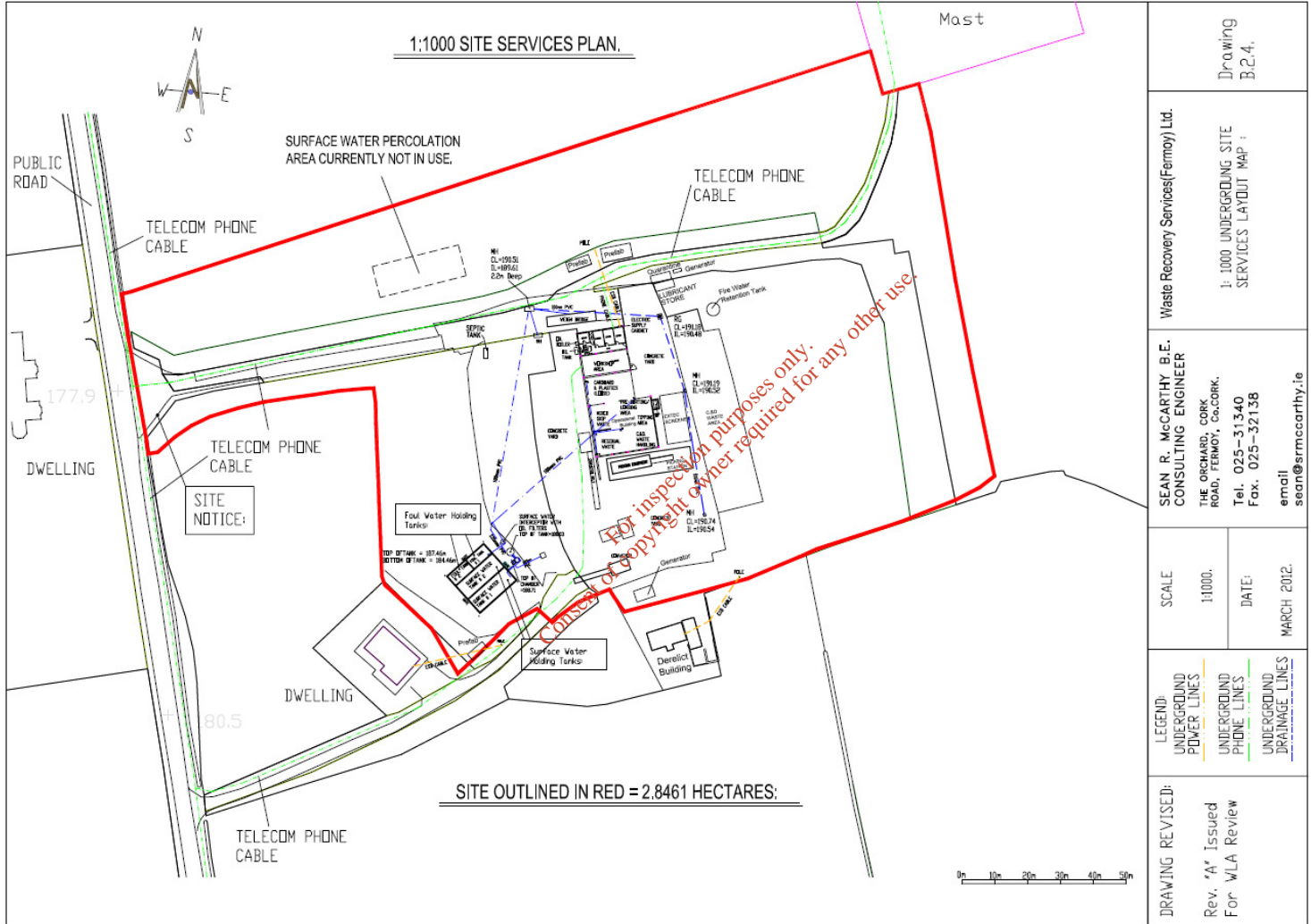


<p>DRAWING REVISED: REVISION "A" ISSUED FOR WLA REVIEW</p>	<p>SCALE: 1:200.</p>	<p>SEAN R. McCARTHY B.E. CONSULTING ENGINEER THE ORCHARD, CORK ROAD, FERMOY, Co.CORK. Tel. 025-31340 Fax. 025-32138 email sean@srmccarthy.ie</p>	<p>Waste Recovery Services(Fermoy) Ltd. OFFICES & OPERATIONAL BUILDING. MARCH 2012. Drawing B.2.2A.</p>
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Drawing B.2.3A (Rev A)



Drawing B.2.4 (Rev A)



ATTACHMENT B3 PLANNING AUTHORITY

Planning Permission

Cork County Council is the planning authority for the area. The WRS site is an existing facility operating since 1984 at its present location. The current waste licence was granted on 18th April 2002. A copy of the waste licence is attached.

Correspondence was sought from the local authority in relation to the requirement for an EIS. The response from Cork County Council is attached.

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Paul Lynch <corkplynch@gmail.com>

WRS Review of Waste Licence

Maeve Dooley <Maeve.Dooley@corkcoco.ie>
To: Paul Lynch <corkplynch@gmail.com>

Wed, Mar 28, 2012 at 4:31 PM

Paul,

I spoke with Kevin Lynch this morning in relation to your correspondence.

On the basis of the information submitted, it would appear that your query relates to an application to the EPA for a licence and that the EPA (rather than the Planning Authority) are the appropriate authority to advise on whether or not an EIA is required for the waste licence application.

It is also noted, however, that the site does not have the benefit of planning permission and that is likely to be a factor in the consideration of a waste licence application.

Kind Regards,

Maeve Dooley
Executive Planner
Cork County Council

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Website: www.wrs.ie

Cork County Council
Planning Authority
County Hall.
Cork

12 April 2012

RE: Review of Waste Licence Application

Dear Sir/Madam

In accordance with Article 6 of the Waste Management Acts (1996 to 2011) Waste Recovery Services (Fermoy) Ltd, Cullenagh, Fermoy, Co. Cork, gives notice of its intent to make an application to the Environmental Protection Agency (EPA) for a Review of Waste Licence W0107-01.

The business is currently operating under waste licence reference number W0107-01. The facility currently accepts waste material in accordance with the Third and Fourth Schedule of the Waste Management Acts 1996 to 2011.

The National Grid Reference relating to the site is E179050, N95750.

Notice is thereby given in accordance with the provisions of the Waste Management Acts 1996 to 2011 and the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004) that Waste Recovery Services (Fermoy) Ltd will apply to the Environmental Protection Agency (EPA) for a Review of the waste licence in respect of their waste transfer station located in the townland of Cullenagh, Fermoy, Co. Cork (EPA Licence Ref. W0107-01).

This application relates to the company's existing waste transfer station. The maximum annual intake will be 20,000 tonnes of non-hazardous household, commercial and industrial and construction and demolition waste. The type of plant will be a finger screen, rubble crusher and picking line, timber shredders, compactor, bailer, mechanical loading shovels, and sorting grabs. It is proposed to add to the Third Schedule Activities to include D13 and to the Fourth Schedule Activities to include R3, R11 and R12 as described herein.

Cont'd./..

The classes of activity applied for in accordance with the Waste Management Acts 1996 to 2011 are as follows:

Third Schedule - Waste Disposal Operations

- D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).
- D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13.
- D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

Fourth Schedule - Waste Recovery Operations

- R 3 Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals.
- R 4 Recycling/reclamation of metals and metal compounds. Principal Activity
- R 5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.
- R 11 Use of waste obtained from any of the operations numbered R 1 to R 10.
- R 12 Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).
- R 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

The principal activity carried out on the site is R5 of the Fourth Schedule.

Cont'd./..

As part of the waste licence review application the facility proposes to process 20,000 tonnes of waste material per annum.

The Waste Licence Review Application will be submitted to the Agency within two weeks of the date of this correspondence. A copy of the application for the Review of the Waste Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection and purchase, at the Headquarters of the Environmental Protection Agency, Johnstown Castle Estate, Wexford.

Should you have any queries please contact Mr. Adrian Dunlea.

Yours sincerely,



Mr. Adrian Dunlea
Environmental Manager.

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Waste Licence

Waste licence reference W0107-01 is the current waste licence in force at the site. This is appended overleaf. This licence was issued on the 18th April 2002.

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Headquarters,
P.O. Box 3000,
Johnstown Castle Estate
County Wexford, Ireland

WASTE LICENCE

Waste Licence

Register Number: 107-1

Licensee: Waste Recovery Services (Fermoy) Limited

Location of Facility: Cullenagh, Fermoy, Co. Cork

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INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

This licence relates to a non-hazardous waste transfer station located in the townland of Cullenagh approximately 4km south-west of Fermoy. The facility is licensed to accept up to 6,500 tonnes per-annum of non-hazardous waste (commercial, industrial and construction and demolition waste). Hazardous or liquid waste will not be accepted at the facility.

The wastes will be processed within a waste transfer building or externally on a hardstanding surface with the recyclable materials (timber, metal, re-usable fill) removed and the residual waste sent to landfill. Timber pallets maybe shredded on-site and then removed off-site for chipboard manufacture.

The licensee must manage and operate the facility to ensure that the activities do not cause environmental pollution. The licensee is required to carry out regular environmental monitoring and submit all monitoring results, and a wide range of reports on the operation and management of the facility to the Agency.

It should be noted that this licence is for the purposes of waste licensing under the Waste Management Act 1996 only. It does not negate the licensee's statutory obligations under any other enactments.

The licence sets out in detail the conditions under which Waste Recovery Services (Fermoy) Limited is required to operate and manage this facility.

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Environmental Protection Agency WL/107-1

DECISION & REASONS FOR THE DECISION

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, to all submissions and objections received and the reports of its inspectors.

Part I Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) under Section 40(1) of the said Act hereby grants this Waste Licence to Waste Recovery Services (Fermoy) Limited to carry on the waste activities listed below at Cullenagh, Fermoy, Co. Cork subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act 1996

Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the transfer of non-recoverable waste into jumbo skips for transfer to landfill.
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. This activity is limited to the temporary storage of non-recoverable wastes prior to dispatch to landfill.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act 1996

Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the recovery and temporary storage of metal waste separated from waste accepted at the facility.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the recovery and temporary storage of timber waste and of construction and demolition wastes accepted at the facility.
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: This activity is limited to the storage of materials on site prior to recovery at the facility or removal to a recovery facility off-site