



Waste Licence Application Form



EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

**Waste Licence Application by
Country Clean Recycling Ltd.
Waste Transfer Station at Churchfield Industrial Estate,
John F. Connolly Road,
Co. Cork**

November 2008

Environmental Protection Agency
P.O.Box 5000, Johnstown Castle Estate, County Wexford
Telephone: 053-60600 Fax: 053-60699



WASTE Application Form

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). **The applicant is strongly advised to read the *Application Guidance Notes for Waste Licensing*, available from the EPA.**

The applicant must conform to the format set out in the guidance notes for applications. Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g. page 5(i) of 45, etc. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

The applicant should note that the application form has been structured so that it requires information to be presented in an order of progressive detail.

When it is found necessary, additional information may be provided on supplementary attachments which should be clearly cross referenced with the relevant sections in the main document.

While all sections in the application form may not be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend “ In the event that this information is deemed not to be held as confidential, it must be returned to”. In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the “ Access to Information on the Environment” Regulations) should be stated in the Application Form, where relevant.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

CHECKLIST

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004) set out the information which must, in all cases, accompany a waste licence application. In order to ensure that the application fully complies with the legal requirements of Articles 12 and 13 of the 2004 Regulations, all applicants should **complete** the following.

In each case, refer to the attachment number(s) of your application which contain(s) the information requested in the appropriate sub-article.

Article 12(1) In the case of an application for a waste licence, the application shall -

- (a) give the name, address and, where applicable, any telephone number and telefax of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office;

LOCATION	Churchfield Industrial Estate, John F. Connolly Rd., Cork.	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (b) give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

LOCATION	Section B3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (c) in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

LOCATION	Section B4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (d) give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

LOCATION	Section B4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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(e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

LOCATION	Sections B7,D2, and H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act, and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	Section B7	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(g) specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

LOCATION	Section H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(h) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

LOCATION	Section G	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(i) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

LOCATION	Section D2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(j) provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (g) of section 40(4) of the Act,

LOCATION	Section L2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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(k) give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

LOCATION	Section E	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(l) give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions,

LOCATION	Section F	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(m) identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

LOCATION	Section F	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(n) describe any proposed arrangements for the prevention, minimisation and recovery of waste arising from the activity concerned,

LOCATION	Section H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(o) describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

LOCATION	Section F, and H4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(p) describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emission,

LOCATION	Section J	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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(q) describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

LOCATION	Section K	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(r) in the case of an application in respect of the landfilling of waste, give particulars of –

(i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(ii) such charges as are proposed or made, having regard to the requirements of section 53A of the Act,

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(s) state whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply,

LOCATION	Section B8	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(t) in the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6,7,8,9 and 10 of the aforementioned Council Directive,

LOCATION	Attachment E4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(u) include a non-technical summary of information provided in relation to the matters specified in paragraphs (a) to (t) of this sub-article,

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LOCATION	Attachment A1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(4) Without prejudice to Article 13(1) and (2), an application for a licence shall be accompanied by -

- (a) a copy of the relevant page of the newspaper(s) in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (b) a copy of the text of the notice or notices erected or fixed in accordance with article 7,

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (c) where appropriate, a copy of the notice given to a local planning under article 9,

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (d) a copy of such plans (appropriately scaled and no larger than A3 size), including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -
- (i) the position of the notice in accordance with article 7,

LOCATION	Attachment B6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (ii) the point or points from which emissions are made or are to be made, and

LOCATION	Section E	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (iii) the point or points at which monitoring and sampling are undertaken or are to be undertaken,

LOCATION	Section F	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



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(e) such fee as is appropriate having regard to the provisions of articles 40 and 41.

INCLUDED Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(a) & (b) An application shall comprise 1 signed original of the application and 2 copies in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom.

HARDCOPIES PROVIDED Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

CD OF PDF FILES PROVIDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 1 signed original and 2 copies in hardcopy format of the environmental impact statement plus 16 copies in electronic searchable PDF format on CD-ROM should accompany this application.

EIA REQUIRED ? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

PROCEDURES

It is recommended that pre-application consultations with the Agency are undertaken before a formal submission of the waste licence application.

The procedure for making and processing of applications for waste licences, and for the processing of reviews of such licences, appear in the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) and are summarised below. The application fees that shall accompany an application are listed in the Second Schedule to the Regulations.

Prior to submitting an application the applicant must publish in a local newspaper, and erect on site, a notice of intention to apply. An applicant, other than a local authority in whose functional area the development is located, must also notify the Local Planning Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form, supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each emission point. These should be simple, logical, and traceable throughout the application.

The application form is divided into a number of sections of related information. The purpose of these divisions being to facilitate both the applicant and the Agency in the provision of the information and its assessment. Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

All questions should be answered. No waste management facility is exactly the same and hence each application will require different information. It is therefore possible that some of the sections of this application form may not be relevant to the activity concerned. **Where information is requested in the application form, which is not relevant to the application, the words “not applicable” should be clearly written on the form. The abbreviation “N/A” should not be used.**

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice

should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. This information should be submitted in a separate enclosure bearing the legend "In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)".**

Applicants should be aware that a contravention of the conditions of a waste licence is an offence under Section 39 of the Waste Management Acts 1996 to 2003.

The provision of information in an application for a waste licence which is false or misleading is an offence under Section 45 of the Waste Management Acts 1996 to 2003.

Note: Drawings. The following guidelines are included to assist applicants:

- All drawings submitted should be titled and dated.
- They should have a **unique reference number** and should be signed by a clearly identifiable person.
- They should indicate a scale and the **direction of north**.
- All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the site location can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.

The provision of information in an application for a waste licence, which is false or misleading, is an offence under s45 of the Acts.

SECTION A NON-TECHNICAL SUMMARY

A Non-Technical Summary is to be submitted. The summary should include information on those aspects outlined in the Guidance Note and must comply with the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

Article 12(1) a: Applicants Details

The details of the Application are as follows:

Country Clean Recycling Ltd.,
Churchfield Industrial Estate,
John F. Connolly Rd,
Co. Cork.
Phone: 021 4300130
Fax: 021 4308031

Article 12(1) b: Planning Authority

The details of the relevant Sanitary Authority are as follows:

Cork City Council,
City Hall,
Co. Cork.
Phone: 021 4966222
Fax: 021 4314238

Article 12(1) c: Sanitary Authority

The details of the relevant Planning Authority are as follows:

Cork City Council,
City Hall,
Co. Cork.
Phone: 021 4966222
Fax: 021 4314238

Article 12(1) d: Facility Details

Country Clean Recycling Ltd.,
Churchfield Industrial Estate,
John F. Connolly Rd,
Co. Cork.
Phone: 021 4300130
Fax: 021 4308031

National Grid Reference NGR E 166083 N 073530

Article 12(1) e : Nature of the Facility

Country Clean Recycling Ltd. (CCR) operates a Materials Recovery Facility (MRF) located in Churchfield Industrial Estate, John F. Connolly Road, Co. Cork approximately 1.5 kilometres north of Cork City Centre as can be seen in Figure 1.

For inspection purposes only.
Consent of copyright owner required for any other use.

The facility currently operates under a Waste Permit from Cork City Council (Ref: 02/07), which enables the processing of waste in accordance with Classes 2,3,4,13, and 14 of the Fourth Schedule of the Waste Management Acts. The primary landuse within the area is industrial however there is residential development located to the north of the facility are and some minor agricultural influences.

CCR currently receives approximately 50,600 thousand tonnes of commercial and municipal waste per annum as outlined in Table 1, and propose to increase their waste intake to 100,000 tonnes per annum.

A.1.1 Classes of Activities as specified in the Third and Fourth Schedules of the Act

The facility is currently operating under a Waste Permit as issued by Cork City Council (ref: 02/07).The facility accepts material in accordance with Classes 2,3,4, 13, and 14 of the Fourth Schedule of the Waste Management Acts. These aforementioned activities relate to the blending, repackaging, and storage activities prior to submission to for disposal/recovery. The principal activities undertaken at the facility in accordance with the Fourth Schedule of the Waste Management Acts is Class 4 "Recycling or reclamation of other inorganic materials".

The Classes of Waste Disposal and Recovery Activities applied for as per the Third and Fourth Schedules of the Waste Management Act, 1996 to 2003 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 11- Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.

Class 12 - Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

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.

A1.2. Quantity and Nature of the Waste

The facility is permitted to process non-hazardous material. The quantities and types of non-hazardous waste processed for 2007 are outlined in Table 1.

Table 1 Permitted Waste Types processed in 2007 under current Waste Management Permit

Waste Material	EWC Code	Quantity Processed in 2007 (Tonnes)
Mixed Residual Waste	20 03 01	16,076
Mixed Dry Recyclables	20 03 01	6441
Cardboard packaging & paper packaging	15 01 01	862
Plastic from municipal sources	20 01 39	16
Plastic from construction and demolition waste	17 02 03	98
Glass packaging	15 01 07	152
Glass from construction and demolition waste	17 02 02	202
Wood from construction and demolition waste	17 02 01	795
Lead batteries	16 06 01*	17
Tyres	16 01 03	22
Other WEEE	16 02 14 / 20 01 36	3
Mixed metals from construction and demolition waste	17 04 07	1628
Cables from construction and demolition waste not containing dangerous substances	17 04 11	33
Aluminium from construction and demolition waste	17 04 02	34
Copper, brass, bronze from construction and demolition waste	17 04 01	1
Rubble Top Soil from C&D	17 05 04	23855
Plasterboard gypsum-based construction materials	17 08 02	374

The facility currently accepts municipal waste arising in County Cork, from domestic and commercial sectors. The facility also provides it own collection service for the customers. It is proposed to increase the annual waste intake capacity to 100,000 the breakdown of which is shown in Table 2.

Table 2 Proposed Waste Types and Quantities

Waste Description	Maximum Tonnes Per Annum*
Household and Commercial Waste	26,000
Dry recyclable waste	13,000
Construction and Demolition Waste	26,000
Mixed Municipal Waste	35,000
Proposed Annual Permitted Waste Intake	100,000

*Please note that the quantities of the above waste types may not directly correspond to the maximum tonnes specified. Notwithstanding this the total amount of waste processed will be within the proposed permitted waste intake tonnage of 100,000 per annum.

Diesel fuel will be used to power onsite machinery. This will be stored onsite within bunded tanks. It is also proposed to install a bunded underground 62,000 Liter diesel tank. The compactor, site lighting and all other ancillaries will consume electrical energy.

Pesticides and insecticides will be used for the control and eradication of vermin and fly infestations at the facility.

A1.3 Plant Methods and Operating Procedures

The plant at the facility will comprise:

- Vehicle weighbridge
- Waste compactors
- Waste process lines
- Wood shredder
- Site vehicles for transporting waste

The basic methods and operation procedures will be as follows:

- Heavy Goods Vehicles will enter the facility and their loads will be weighed and a docket issued to the driver.
- The loads will be visually inspected to confirm receipt of correct waste type and the loads will be tipped onto the hard standing area within the Materials Recovery Facility.
- On exit, prior to dispatch from the facility, details such as weight, destination and nature of waste and recyclables are recorded.
- Only vehicles licenced to collect specific waste types will be permitted onsite.
- Waste will be sorted, processed, segregated and temporarily stored onsite prior to removal offsite by licence hauliers to permitted facilities for further processing or disposal.

A.1.4 Raw and Ancillary Material

The primary raw materials utilized in the running of the facility are water, diesel & oil (hydraulic & engine). Electricity is used in the site lighting, weighbridge, automatic gates, and in the office and garage buildings.

A1.5 Site Operating Procedures

Waste is delivered to the facility mainly by CCR refuse collection vehicles used for kerbside collections, and skip delivers. All vehicles delivering waste to the site must pass over the weighbridge and details are recorded using software linked to the office.

All waste is transported to the main waste building where it is inspected prior to unloading or further handling. Unacceptable waste is rejected and stored in a waste quarantine area pending removal off site by a permitted company.

A1.6 Hours of Operation

The facility proposes to operate seven days a week, 24 hours a day as follows:

Waste Acceptance*	Hours of Operation**
6.00 -00.00	7.00-7.00***

*(The hours during which the facility is authorised to accept waste.)

** (The hours during which the facility is authorised to be operational).

***Please note that after 20.00 hours all mechanical sorting of waste ceases, and operations will be restricted to manual sorting cleaning of the site.

The following non-hazardous waste categories are accepted and processed at the facility for subsequent disposal and recovery.

- Mixed Municipal Waste
- Construction and Demolition Waste
- Source segregated waste (dry recyclables, plastic bottles and containers, tetrapak, cardboard, metal cans, Aluminium, packaging material.
- Wood
- Glass
- Metals
- Plasterboard

Further information relating to the waste processing operations can be seen in Attachment D2.

As part of the process hazardous material e.g. batteries are indirectly received at the facility and separated for transfer to licensed recovery facilities. All inbound wastes are weighed on a weighbridge near the site entrance and the following information is noted:

- Waste Description including European Waste Code (EWC) code
- The origin of the waste
- The weight of the load.

The material is inspected prior to finally accepting the load. Any suspect loads are removed and stored in the quarantine area for further inspection and if non-compliant are returned to the customer.

A.1.7 Management Structure

County Clean Recycling Ltd. employees have individual roles and responsibilities for applying an effective Environmental Management control of the site. The Structure of the Environmental Management System at CCR is represented by this organisational chart as can be seen in Figure 1.

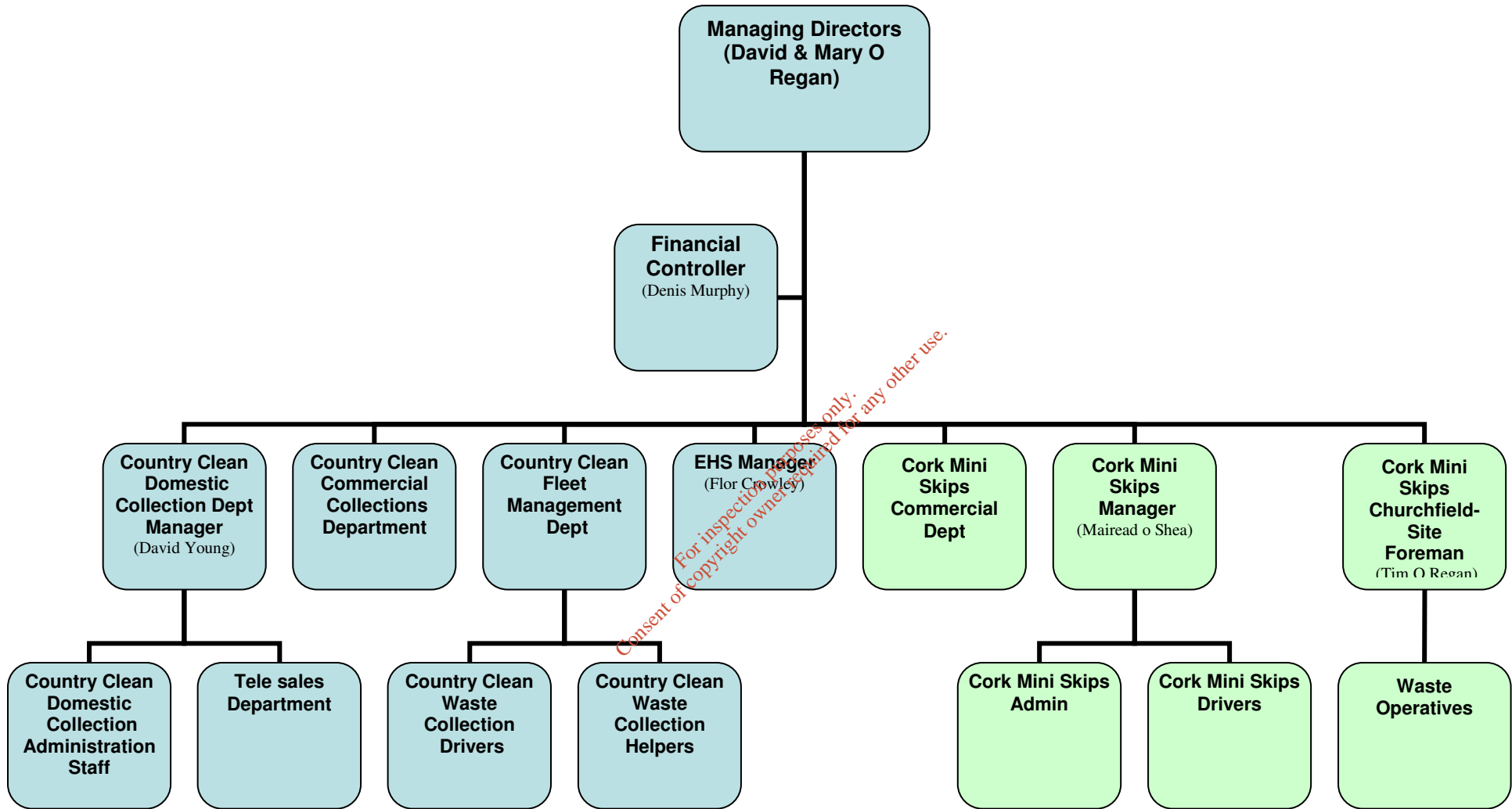


Figure 1. Environmental Management Structure

A1.8 Emissions and Treatment

Activities at the facility will not have an impact on the area. Waste will be stored within the Material Recovery Facility, thereby minimising the likelihood of process leachate production at the site. Any accidental chemical spillage will be contained on site and treated immediately.

All waste handling and storage takes place on concrete hardstanding areas. The processing of input materials, which comprise household and dry recyclable material, construction and demolition, and commercial waste, occurs within the main building. The segregation and sorting of this material produces an effluent which is collected in a sump within the Materials Recovery Facility. The effluent from the sump is treated via a Class I full retention interceptor which separates the oil and solids from the water. The oil is separated through the application of coalescing devices to draw the oil droplets together to retain the oil safely until it is removed. The water subsequently discharges to Cork City Council (CCC) foul pipeline which runs through the northern section of the site. Sewage effluent from activities onsite discharges into Cork City foul sewer located to the south west of the site.

Surface water runoff from the hard standings area around the site (except the roof) will also be directed through the oil water interceptor and into the foul water system. All roof runoff will be directed through the storm water system and into the Cork City Councils storm water system.

There will not be any significant impacts to air quality as a result of operations at the facility. This is due to:

- Quick turn-around time for waste entering and leaving the facility.
- Prevention of point source emissions.
- The processing of waste material within the Material recovery Facility.

Exhaust emissions from vehicles entering and leaving the facility will have a minimal effect on ambient air quality.

Due to the nature of the facility and the road construction it is envisaged that no significant dust emissions will be generated.

Impact on Air

The potential emissions to air from the operation of the facility are dust and odour. All waste related activities will be restricted to the main waste building thereby mitigating potential nuisance from dust or odour. In addition, biodegradable waste which may have the potential to cause odour nuisance is removed off-site within 48 hours of delivery.

Odour nuisances from the facility have not been observed in the past. Nor have any complaints relating to odour been received or lodged by the public.

Dust levels at the facility are currently being monitored at boundary locations. The results of analysis will be assessed in accordance with EPA recommended guidelines of 350mg/m²/day.

Emissions to Surface Water

Rainfall runoff from the roofs will be directed to Cork City Council's storm water network to the north of the site without treatment. Surface water run off from the paved area will be directed through an oil interceptor prior to discharge to Cork City Council's storm water network.

Groundwater

There will be no emissions to groundwater from this facility.

Noise Emissions

There may be noise emissions associated with the operation of this facility. The primary sources of noise at the Waste Transfer Station are outlined as follows:

- Heavy goods vehicles (HGV's) delivering waste to and collecting waste from the site.
- HGV's tipping waste materials in the waste inspection area within the main waste building at the site.
- Operation of an excavator for handling waste/recyclables within the main waste building.

The noise emissions from the facility are mitigated by restricting the majority of waste-handling activities to the main waste building. The facility is located near John F. Connolly Road a distributor road which services the industrial estate and is subject to background noise levels associated with traffic, and operations from neighbouring sites.

The noise produced from CCR is broadband in nature and hence does not travel significant distances. The boundary noise measurements ranged from 42.3-69.0 LA₉₀ daytime (15min) to and LA₉₀ 34.1-41.9 nighttime. The report noted that onsite monitoring locations were influenced by activities occurring in the nearby industrial estate and traffic passing on the road.

Two Noise Sensitive Locations (NSL) located in agricultural lands to the north and east of the site were monitored. Results were noted to be in compliance with the Environmental Protection Agency limits of 45 dB(A) LAeq during the night- time, and 55 dB(A) LAeq at during the daytime.

A.9 Impact of Emissions

As a result of the nature of the waste streams accepted on the site and with the implementation of efficient site operating procedures, and enclosure of the Timber Shredding unit, it is unlikely that there will be any significant impacts on air quality due to dust or odour as a result of operations at the facility.

It is not expected that storm water discharged to the surface water will have an impact on the environment.

Foul sewage and paved area runoff will be collected and discharged to the public system and is therefore not expected to impact the environment.

Noise emissions may arise from operational plant at the facility as well as traffic to and from the site. However, compaction operations will be housed to minimise noise emissions and traffic movements will be limited to normal opening hours and so

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operations at the facility will not be expected to have a significant impact on existing background noise levels.

There will be no discharges to ground or groundwater therefore the facility is not expected to impact the ground water.

Provision of Information related to Section 40(4) of the Waste Management Act

Compliance with Emission Standards

CCR will operate the facility so as to comply with all emission standards and limits set out by the Environmental Protection Agency in the Waste Licence.

Avoidance of Environmental Pollution

The facility is designed and operated to ensure that it will not cause environmental pollution: some of the design features and operational practices that ensure this are indicated below:

Avoidance of Emissions to Air

- All of waste processing activities will be restricted to a main waste building
- All waste containing a biodegradable fraction is removed off site within 48 hours of delivery
- Water-spraying of hard standing areas in periods of dry weather.
- Enclosing the shredder within the Material Recovery Facility to reduce dust emissions.

Avoidance of Emissions to Water

- The entire site will be paved
- The drainage system will collect all surface water and rainwater arising.
- All discharge from the Materials Recovery Building is directed through an oil interceptor.
- All run-off from waste tipped in the main waste building is directed to an underground tank which is treated via a Class 1 Full Retention Interceptor.
- All sanitary effluent from toilets in offices/buildings are directed to the sewer.

Avoidance of Other Environmental Nuisances

- The site is cleaned regularly to prevent wind blow litter.
- All waste will be stored within the main waste building and therefore will not be exposed.
- A vermin control plan is implemented onsite and regularly inspected.
- Regular monitoring of agreed parameters as set out in the Waste Licence will ensure that environmental controls are performing.

Noise emissions may arise from operational plant and vehicles during normal operating hours. These emissions will not have a significant impact on Noise Sensitive Receptors.

Best Available Technology (BAT)

CCR will employ site practices and best available technology in accordance with BAT principles to avoid any environmental pollution and prevent and mitigate any nuisance emissions from the facility.

A.10 Monitoring and Sampling

Surface water, dust and noise monitoring are proposed to be undertaken to assess the impact of activities at the site on the environment. These monitoring operations will be carried out during the operational life of the facility according to the licence issued by the Agency.

Monitoring and Sampling Arrangements

Proposed environmental monitoring is shown in the table below.

Parameter	Frequency
Dust	Three times annually
Noise	Annually
Odour	Weekly
Surface Effluent	Quarterly

A.11 Unauthorised or Unexpected Emissions

The only envisaged unauthorised or unexpected emissions from the site are those, which may result from an accidental spillage of oil or fuel from vehicles using the site. In the unlikely event of such an emission, the operator will ensure that:

- The spill is contained and cleaned up immediately
- The incident is recorded
- The EPA are notified
- Samples are taken and sent for external analysis

A.12 Fit and Proper Person

CCR has received one summons in accordance under Section S34 (1) of the Waste Management Act. The summons was a result of inappropriate collection of Bio Waste in a residual waste wheelie bin. The following details the summons which is currently under appeal.

“Breach of condition 2.8 of the Waste Collection Permit WCO/KK/328/06, by collecting waste that was not presented in accordance with Bye-law Number 3 of the Waterford County Council Bye Laws for the Collection, Storage and Presentation of Household Waste and Certain Related Waste Management Matters Number 2 adopted by Resolution of Waterford County Council made the 10th of May 2005 thereby committing an offence under Section 34(1)(a) of the Waste Management Act, 1996, as inserted by section 6 of the Waste management (Amendment) Act, 2001.”

CCR are currently appealing this prosecution on the following grounds:

1. Another waste company received a summons for the same offence and were not prosecuted.
2. CCR believe they are being prosecuted for collecting residual waste with organic waste present in the bin. It states the following under condition 3.3 in the byelaw “.....Residual waste presented for collection which includes recyclable waste (or **bio waste when a separate bio waste collection is introduced**) will not be collected. It shall be an offence to present residual waste for collection in this way”
3. Country Clean Recycling Ltd has not introduced a bio waste collection so therefore can collect residual waste with bio waste in it.

WASTE Application Form

4. If CCR are prosecuted for being in contravention with their waste collection permit, it only Kilkenny County Council who should be in a position to prosecute, as they are the local authority in charge of waste collection permits for this region.
5. The only suitable facility that can treat bio waste in Waterford is at present operating at full capacity and can not accept any further bio waste.

There have been no offences committed under the Waste Management Act 1996.

Technical Competence and Site Management

Country Clean Recycling Ltd. are Munster's leading independent waste solution specialists, offering a wide range of waste management and recycling services to the household and commercial sector in Munster. The table below sets out the staff structure for the management of the facility.

Name Position	Duties and Responsibilities	Experience /Qualifications
David O' Regan Company Director	<ul style="list-style-type: none"> ▪ Overall Management of the Site. ▪ Quality Control 	Management Experience 18 Years.
Mary O' Regan Company Director	<ul style="list-style-type: none"> ▪ Site Management ▪ Ensuring procedures are adhered to by all. 	Management Experience 18 Years.
Flor Crowley Environmental Health and Safety Officer	<ul style="list-style-type: none"> ▪ Management and Implementation of Environmental Health and Safety initiatives. • EHS training ▪ Reviewing and updating EHS Procedures. 	BSc. Environmental Management 5 years Management Experience.
Tim O'Regan Yard Manager	<ul style="list-style-type: none"> ▪ Coordination of waste processing operations ▪ Coordination of maintenance and upkeep of yard areas. 	6 Years Management Experience.

A.13 Emergency Procedures

A set of emergency procedures have been developed by CCR to prevent environmental pollution in the event of an emergency situation. These procedures specify staff members who have designated responsibilities in the event of emergencies.

A.14 Closure and Restoration

In the event of a cessation of activities at the Material Recovery Facility, CCR proposes the following closure and restoration measures:

- The equipment used at the site will be removed by CCR
- Street sweeper vehicles will be used to clean the site
- Office equipment will be removed



WASTE Application Form

- CCR will provide the EPA with at least six months written notice of any intention to close the facility

There are no plans to decommission CCR in the foreseeable future. In the event of a cessation of activities at the site a closure plan will be developed. This will involve a removal of all waste from the site to appropriate destinations and decommissioning of all sources of environmental pollution on site. The facility will be monitored until it is fully decommissioned and there is no potential for emissions to the environment. The facility is easily convertible for commercial or light industrial use.

A.15 Financial Provisions

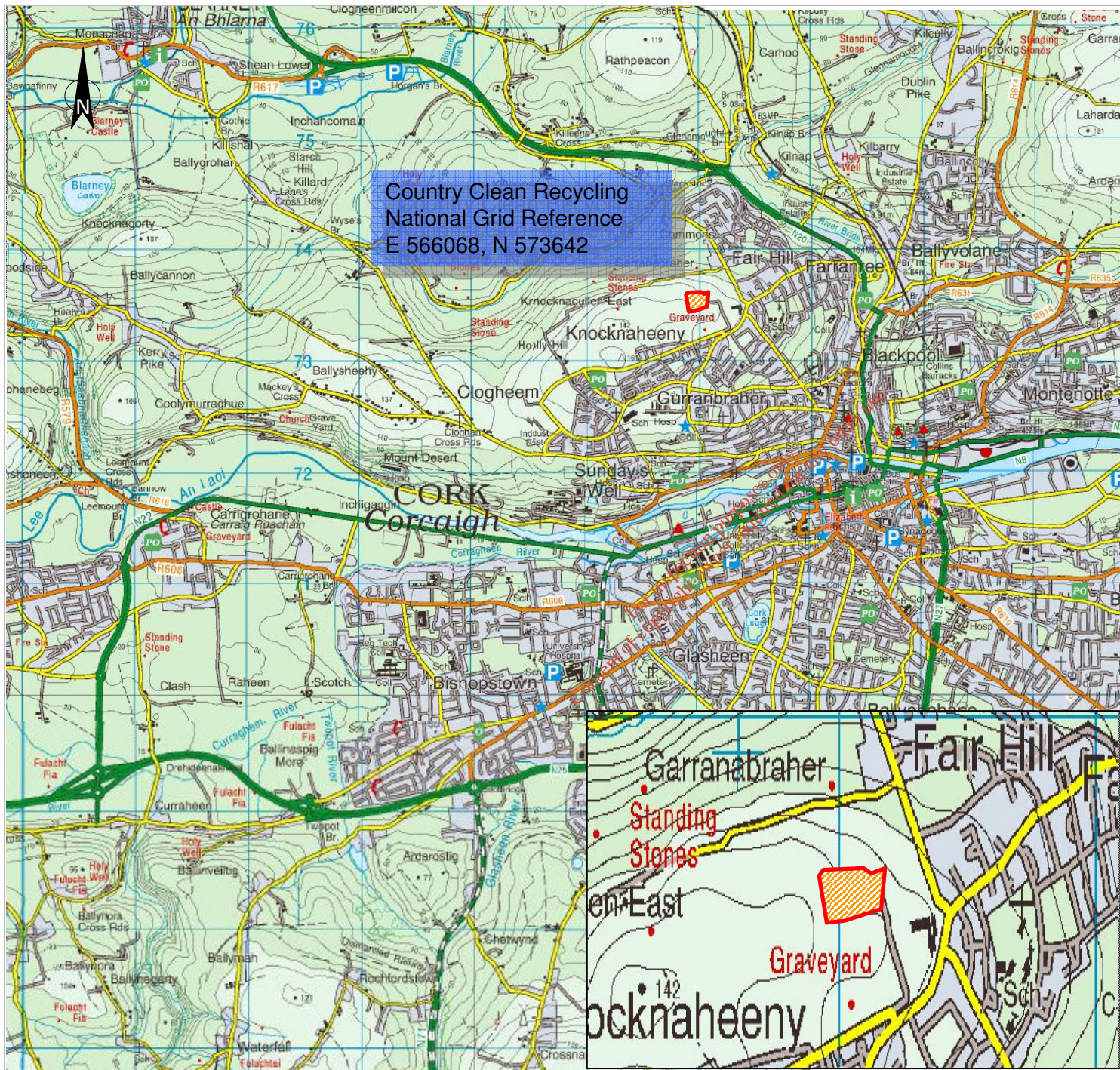
Not applicable as the activity is not for the purposes of an establishment to which the European Communities (Control of Major Accidental Hazards Involving Dangerous Substances) Regulations 2000 apply.

A.16 Dangerous Substances

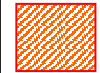
There will be no emissions to the groundwater from the facility due to the presence of hardstanding areas. Also, any area used for the storage of liquids or hazardous waste will be fully bunded according to the Agency Guidance, "IPC Guidance Note on Storage and Transfer of Materials for Scheduled.

Appendix A.1 Site Location Map

For inspection purposes only.
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Legend



Site Location

Ordnance Survey of Ireland
Licence No. EN0095408
Ordnance Survey of Ireland and
Government of Ireland.

Issue no.	Date	By	Checked	Approved	Note Ref	Date Scanned



environmental health and safety engineering project management
© Copyright of OES Consulting, 4 Day Place, Tralee Co. Kerry.
Tel: 353 (0)667128321 Fax: 353 (0)66 7180061 Email: info@oes.ie

Client	County Clean Recycling		
Title	Site Location		
Scale	NTS	Project No.	1094_01
Figure No.	Figure 1.1	Rev.	01



WASTE Application Form

State the interest of the applicant in the land which is subject to the application. The applicant is (please check):

Landowner	<input checked="" type="checkbox"/>
Lessee	<input type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
Other (please specify)	

Name and address of all occupiers of the land on which the Activity is situated (if different from applicant named above).

Name:

Address

:

Tel:

Fax:

e-mail:

Name and address of the current* owner(s) and lessees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above). An appropriately scaled drawing(≤A3) showing the above details should be included in Attachment B1.

Name:

Address

:

Tel:

Fax:

e-mail:

*Current at the time the application is submitted.

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SECTION B GENERAL

Name*: Country Clean Recycling Ltd.
Address: Churchfield Industrial Estate
 John F. Connolly Rd.,
 Cork.
 NGR E 166083 N 073530
Tel: 021 4300130
Fax: 021 4308031
e-mail: info@corkminiskips.ie

B.1 Applicant's Details

* This should be the name of the applicant which is current on the date this Waste Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

Name and Address for Correspondence

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name: Flor Crowley
Address: The Mill;
 Castletownroche.,
 Cork.
Tel: 021 4313177
Fax: 021 4308031
e-mail: info@corkminiskips.ie

Address of registered or principal office of Body Corporate (if applicable)

Address Ballywater
 :
 Shanballymore
 Mallow
 Co.Cork
Tel: 022 46848
Fax: 022 46956
e-mail: info@corkminiskips.ie

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a) a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;
- b) the Company's Registration Number from the Companies Registry Office; and
- c) a list of the Company Directors.

Attachment B.1

Applicant Details

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment B.1

Attachment B.1 Applicant Details

Name:

Country Clean Recycling Ltd.,

Site Address:

Churchfield Industrial Estate,
John F. Connolly Rd.,
Co. Cork

National Grid Reference:

E 166083 N 073530

Site Contact for Correspondence

Flor Crowley
Environmental Health & Safety officer
Phone: 021 430 0130 Fax: 021 430 8031
Email: flor@corkminiskips.ie

Directors

Mr David O'Regan
Mrs Mary O'Regan

Address: Ballywalter, Shanballymore, Mallow, Co. Cork

Site Ownership

The lands is owned by Mr David O'Regan who is also a Company Director and are denoted by the red line in Appendix B.1.1 of Attachment B.1.

The company registration number is 371457 and a copy of the Certification of Incorporation, and Certificate of Registration are included in Appendix B.1.2 of Attachment B.1. Other registered names to Country Clean Recycling include Collins Waste Management, Cork Mini Skips, Kinsale and District Skip Company, North Side Skips, and MK Skips. Registration certificate details of the addition registered names are also appended.

Appendix B.1.1 Land Holding
Appendix B.1.2 Company Registration and Certification of Incorporation

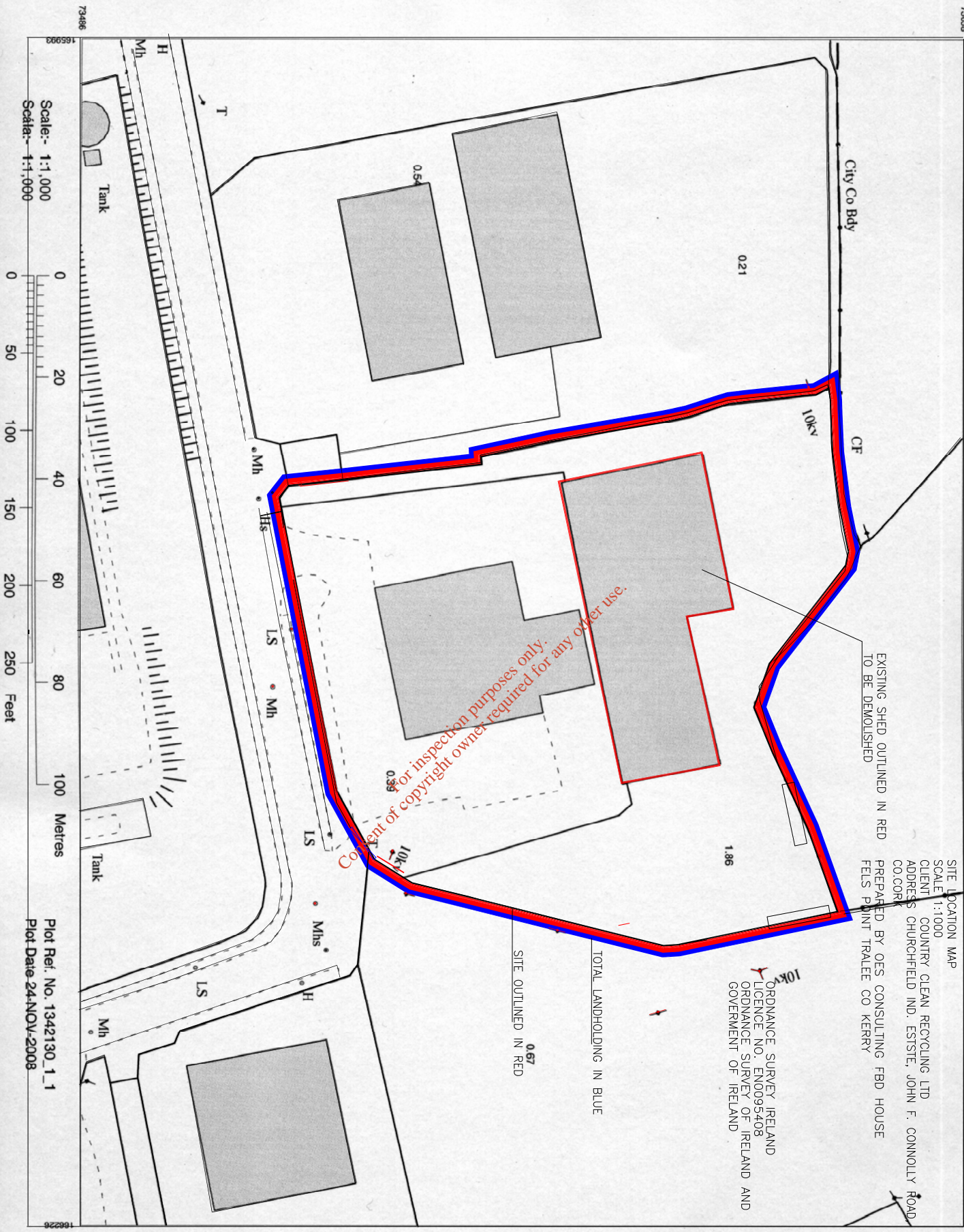
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Appendix B.1.1
Landholding

EXISTING SHED OUTLINED IN RED
TO BE DEMOLISHED

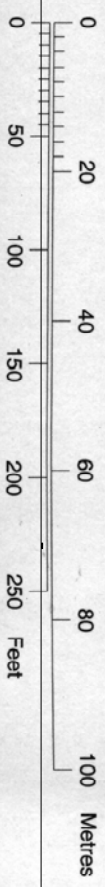
SITE LOCATION MAP
SCALE: 1:1000
CLIENT: COUNTRY CLEAN RECYCLING LTD
ADDRESS: CHURCHFIELD IND. ESTE, JOHN F. CONNOLLY ROAD,
CO. CORR.
PREPARED BY: CES CONSULTING FBD HOUSE
FELS POINT, TALEE CO. KERRY

ORDNANCE SURVEY, IRELAND
LICENCE NO. EMD095408
ORDNANCE SURVEY OF IRELAND AND
GOVERNMENT OF IRELAND



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Scale:- 1:1,000
Scála:- 1:1,000



Plot Ref. No. 1342130_1_1
Plot Date 24-NOV-2008

ITM CENTRE PT COORDS
566067.573634
DESCRIPTION

MAP SHEETS

1:1000
6337-18 6337-23



Produced by Kerry County Council,
Town Hall, Killarney, Co. Kerry
On behalf of Ordnance Survey Ireland,
Phoenix Park, Dublin 8.

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Rialtas na hÉireann.
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Each ead cearnán, NI ceadmheic san chuid
den fhioscéal seo a chloicéil, a aitheascadh na
a bheirtear in aon thomrair ar aon bheirteach gan
cead. I scríobhann oibre is áirítear an oideachairt.
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Appendix B.1.2
Company Registration and
Certification of Incorporation

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Number 371457

Certificate of Incorporation

I hereby certify that

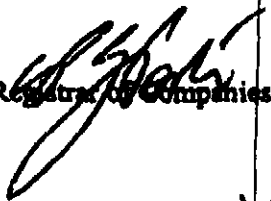
COUNTRY CLEAN RECYCLING LIMITED

is this day incorporated under
the Companies Acts 1963 to 2001.
and that the company is limited.

Given under my hand at Dublin, this
Thursday, the 22nd day of May, 2003

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for Registrar of Companies



VA7 No:- 6391457L



Revenue



Office of the Revenue Commissioners
 Cork PAYE District
 Government Offices
 Sullivans Quay
 Cork, Ireland

Oifig na gCoimisinéirí Ioncaim
 Ceantar IMAT Chorcaí
 Oifigí an Rialtais
 Port Uí Shúilleabháin
 Corcaigh, Éire

THE SECRETARY
 COUNTRY CLEAN RECYCLING LTD
 BALLYWATERS
 SHANBALLYMORE
 CO CORK

C/C R. LTD
7/A COMMERCE
7/A CORK MINI SHOPS.

16/06/2003

Re: Notice of Registration
 Déar

COUNTRY CLEAN RECYCLING LTD

You have been registered for the following taxes:

	Registration Number	With effect from
<input type="checkbox"/> Income Tax		
<input type="checkbox"/> Corporation Tax	6391457L	01/06/2003
<input type="checkbox"/> PAYE/PRSI <i>470</i>	6391457L	01/06/2003
<input type="checkbox"/> Value-Added Tax	6391457L	01/06/2003
<input type="checkbox"/> Relevant Contracts Tax		
<input type="checkbox"/> Partnership		

Please ensure that the above Registration Number(s) are quoted on all future correspondence with this office.

For inspection purposes only. Consent of copyright owner required for any other use.

Yours sincerely,

For District Manager

ROS Revenue On-Line Services
SAVE TIME FILE ON-LINE
For more information please phone 08114325308 or E-Mail huckley@revenue.ie

No. 254603

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

COLLINS WASTE MANAGEMENT

Principal Place of Business

**CHURCHFIELD INDUSTRIAL ESTATE
JOHN F. CONNOLLY ROAD,
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 27th May, 2004

Dated this 27th May, 2004

Person who has registered this business name:

COUNTRY CLEAN RECYCLING LIMITED

Lee Connolly
Registrar of Business Names

Consent to inspection purposes only. Consent of the owner required for any other use.

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.

No. 254120

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

CORK MINI SKIPS

Principal Place of Business

**CHURCHFIELD INDUSTRIAL ESTATE
JOHN F CONNOLLY ROAD
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 19th May, 2004

Dated this 19th May, 2004

Person who has registered this business name :
COUNTRY CLEAN RECYCLING 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."

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

No. 254121

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

KINSALE AND DISTRICT SKIP COMPANY

Principal Place of Business

**CHURCHFIELD INDUSTRIAL ESTATE
JOHN F CONNOLLY ROAD
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 19th May, 2004

Dated this 19th May, 2004

Person who has registered this business name :

COUNTRY CLEAN RECYCLING 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.

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

No. 254116

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

NORTH SIDE SKIPS

Principal Place of Business

**CHURCHFIELD INDUSTRIAL ESTATE
JOHN F CONNOLLY ROAD
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 19th May, 2004

Dated this 19th May, 2004

Person who has registered this business name :

COUNTRY CLEAN RECYCLING 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.

No. 254119

Registration of Business Names Act, 1963

CERTIFICATE OF REGISTRATION

Business Name

MK SKIPS

Principal Place of Business

**CHURCHFIELD INDUSTRIAL ESTATE
JOHN F CONNOLLY ROAD
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 19th May, 2004

Dated this 19th May, 2004

Person who has registered this business name :

COUNTRY CLEAN RECYCLING 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.

B.2 Location of Activity

Name:	Country Clean Recycling Ltd.,
Address*:	Churchfield Industrial Estate,
	John F. Connolly Rd.,
	Cork.
Tel:	021 4300130
Fax:	021 4308031
e-mail:	info@corkminiskips.ie

* Include any townland

National Grid Reference (8 digit 4E,4N)	NGR E 166083 N 073530
--	------------------------------

Location maps ($\leq A3$), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

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Attachment B.2

Location of Activity

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment B.2

Attachment B.2 contains:

Appendix B.2.1	Site Location Map
Appendix B.2.2	Site Services Plan
Appendix B.2.3	Site Layout including location of site Notice

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Appendix B.2.1
Site Location Map

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EXISTING SHED OUTLINED IN RED
TO BE DEMOLISHED

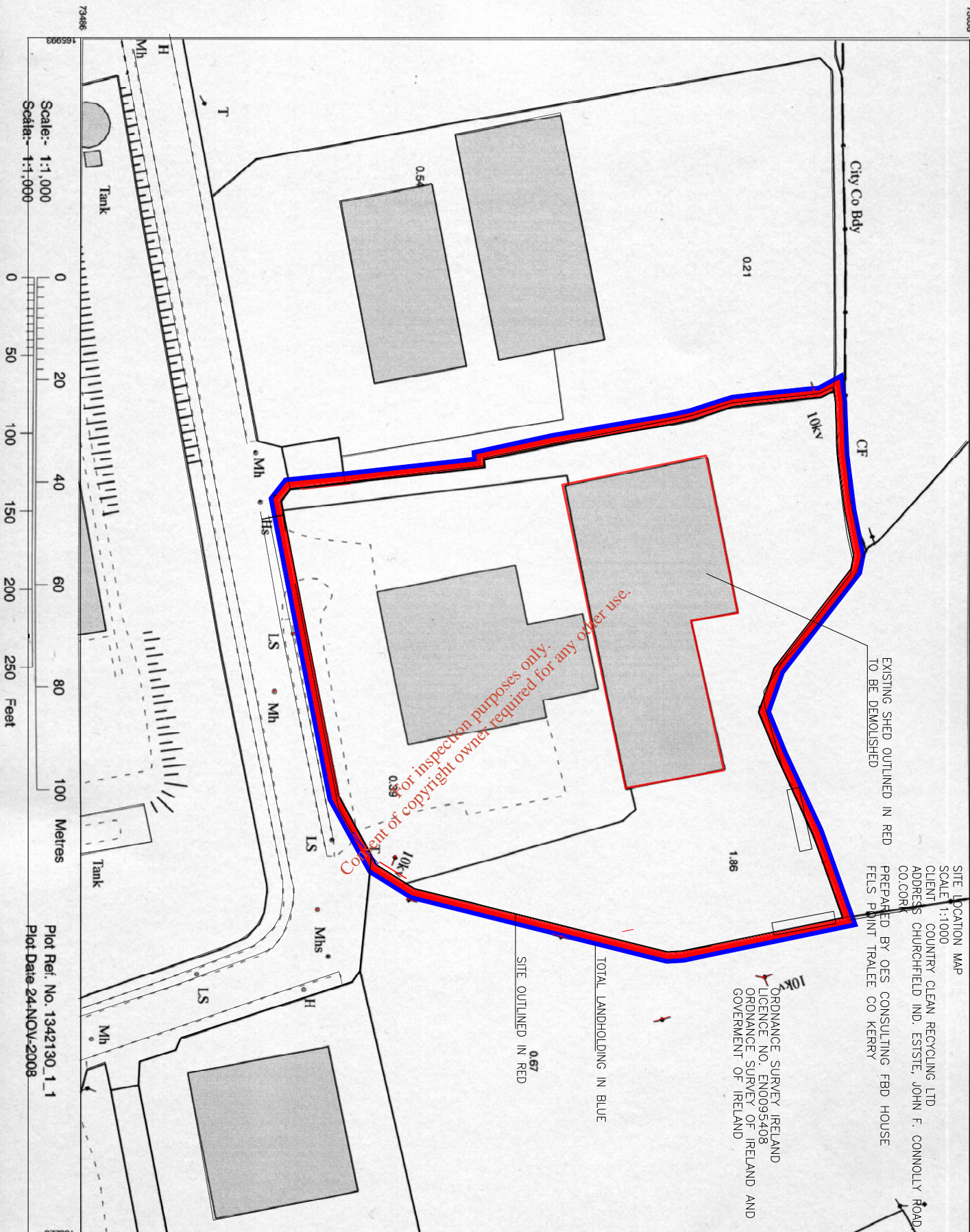
SITE LOCATION MAP
SCALE: 1:1000
CLIENT: COUNTRY CLEAN RECYCLING LTD
ADDRESS: CHURCHFIELD IND. ESTE, JOHN F. CONNOLLY ROAD,
CO. CORR.
PREPARED BY: CES CONSULTING FBD HOUSE
FELS POINT, TALEE CO. KERRY

ORDNANCE SURVEY, IRELAND
LICENCE NO. EMD095408
ORDNANCE SURVEY OF IRELAND AND
GOVERNMENT OF IRELAND

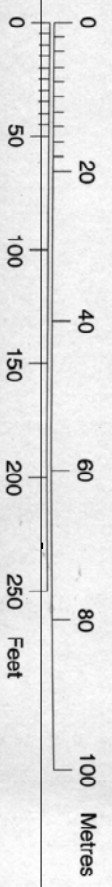
TOTAL LANDHOLDING IN BLUE

SITE OUTLINED IN RED

Content of copyright owner required for any other use.



Scale:- 1:1,000
Scála:- 1:1,000



Plot Ref. No. 1342130_1_1
Plot Date 24-NOV-2008

ITM CENTRE PT COORDS
566067.573634

DESCRIPTION

MAP SHEETS

1:1000
6337-18 6337-23



Produced by Kerry County Council,
Town Hall, Killeeney, Co. Kerry
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Surveyed 1842
 Revised 1950
 Levelled 1928

Record PLACE Map



74480

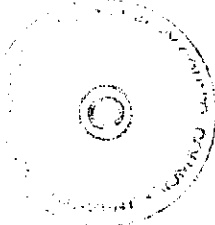
167393

ITM CENTRE PT COORDS
 566067,573634

DESCRIPTION

MAP SHEETS

6 Inch
 CK074

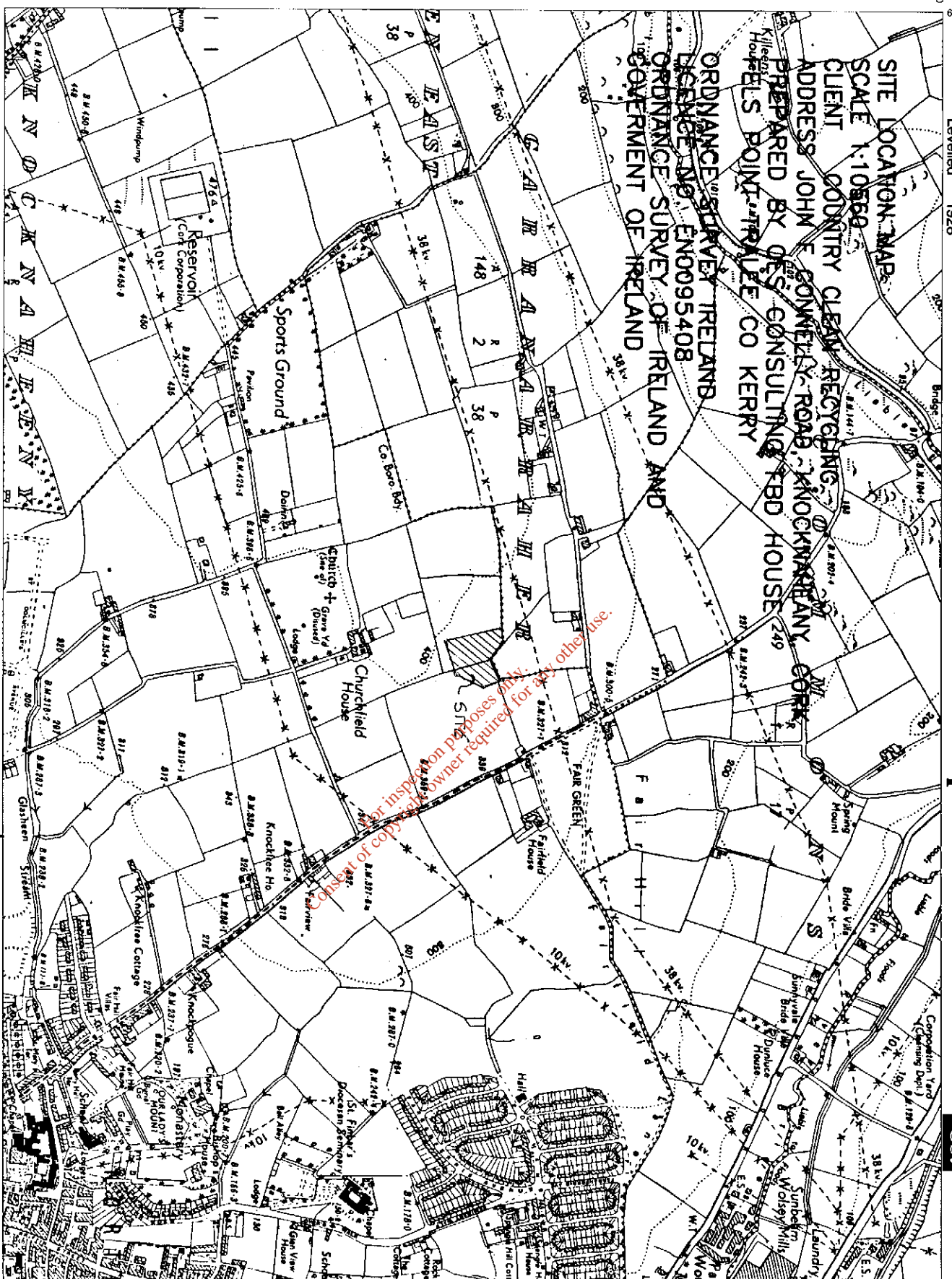


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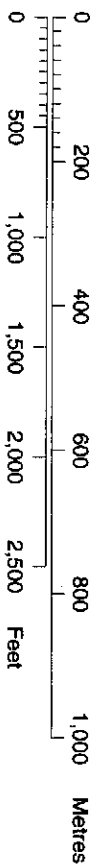
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SITE LOCATION MAP
 SCALE 1:10,560
 CLIENT: COUNTRY CLEAN RECYCLING
 ADDRESS: JOHN F. CONNELLY ROAD, KNOCKNAKERRY, CO. KERRY
 PREPARED BY: OCS CONSULTING LTD HOUSE
 HORTON POINT, TRALEE, CO. KERRY

ORDNANCE OF SURVEY IRELAND
 LICENSE NO. EN0095408
 ORDNANCE SURVEY OF IRELAND AND
 GOVERNMENT OF IRELAND

Scale: 1:10,560
 Scale: 1:10,560



Plot Ref. No. 1342130.1
 Plot Date 24-NOV-2008

332

72684

164879

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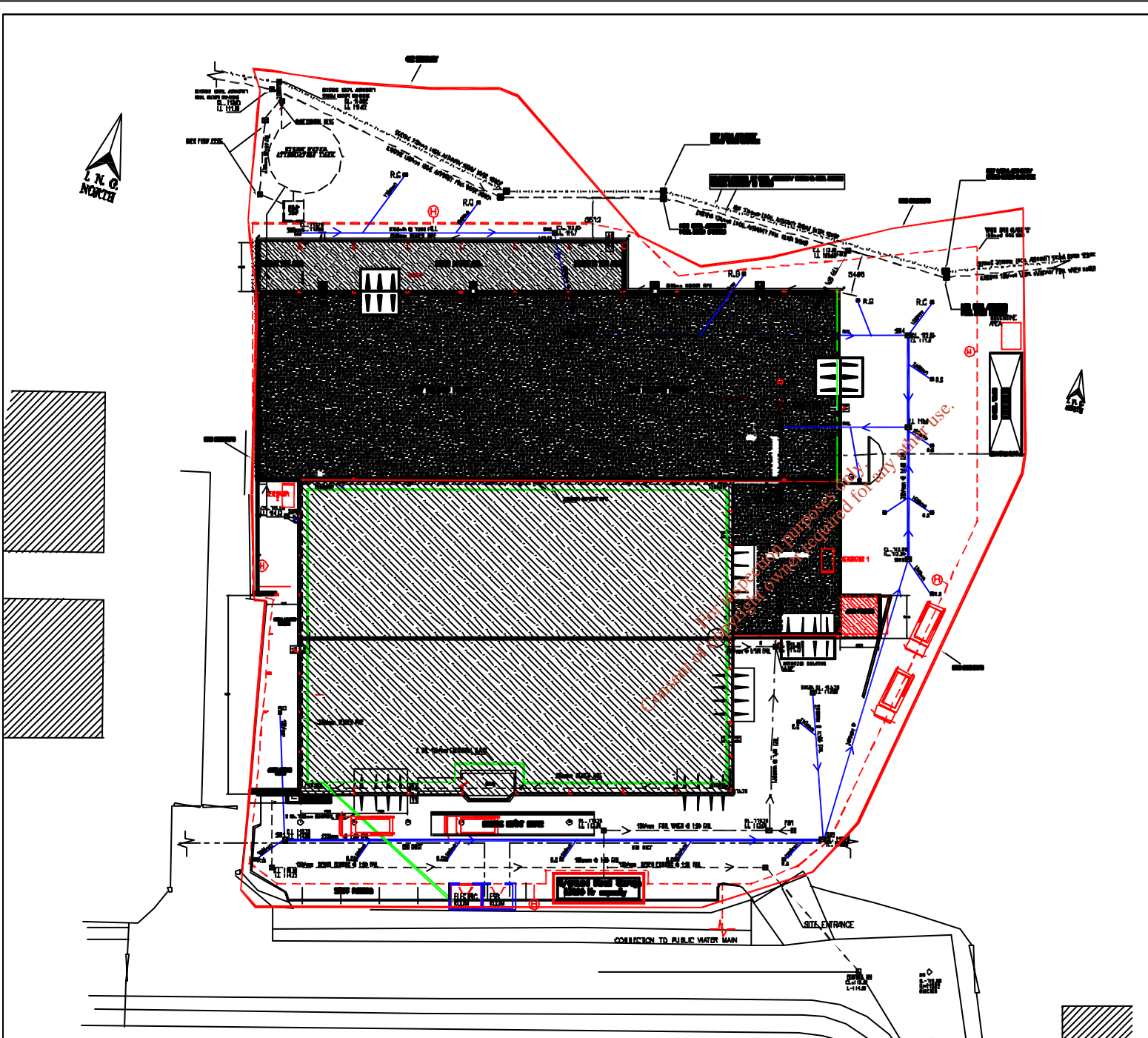
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Appendix B.2.2
Site Services Plan

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LEGEND

- NEW MAN HOLES
- EXISTING MAN HOLES
- ELECTRICAL DUCTS
- NEW FDUL SEWER
- NEW STORM WATER
- NEW SURFACE WATER
- NEW ROOF WATER
- EXISTING ROOF WATER
- ESB DUCT
- EXISTING LOCAL AUTHORITY FOUL
- EXISTING LOCAL AUTHORITY STORM
- ACCESS JUNCTION
- NEW ROAD GULLY
- NEW GULLY TRAP
- GULLY TRAP WITH BACK INLET
- DOWN PIPE
- DROP IN PIPE
- "WAVINMAN" CLASS 'C', I.S. 123 OR OTHER EQUAL & APPROVED; 150mm RHD uPVC PIPING; JOINTING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS
- H FIRE HYDRANTS
- INTERCEPTOR



Site Services Layout
Scale 1:250

Issue no.	Date	By	Checked	Approved	Note Ref.	Date
00	03/08	RF	PL	PL		

OES consulting

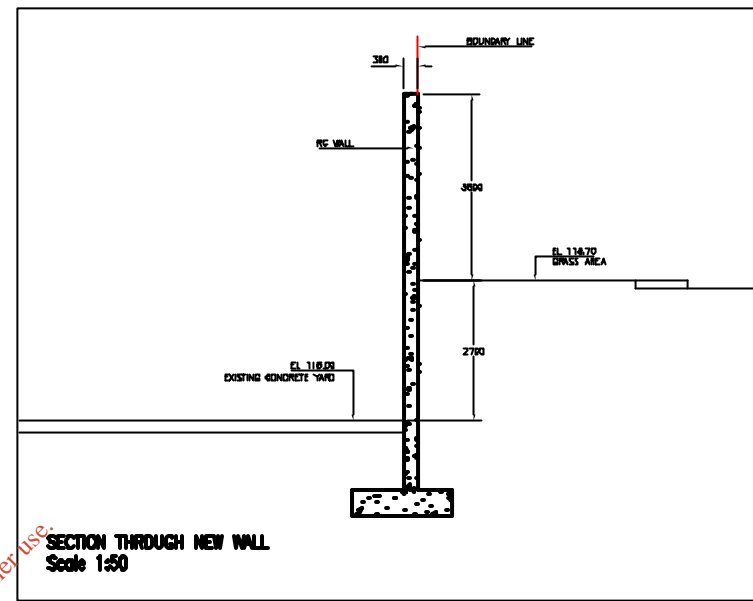
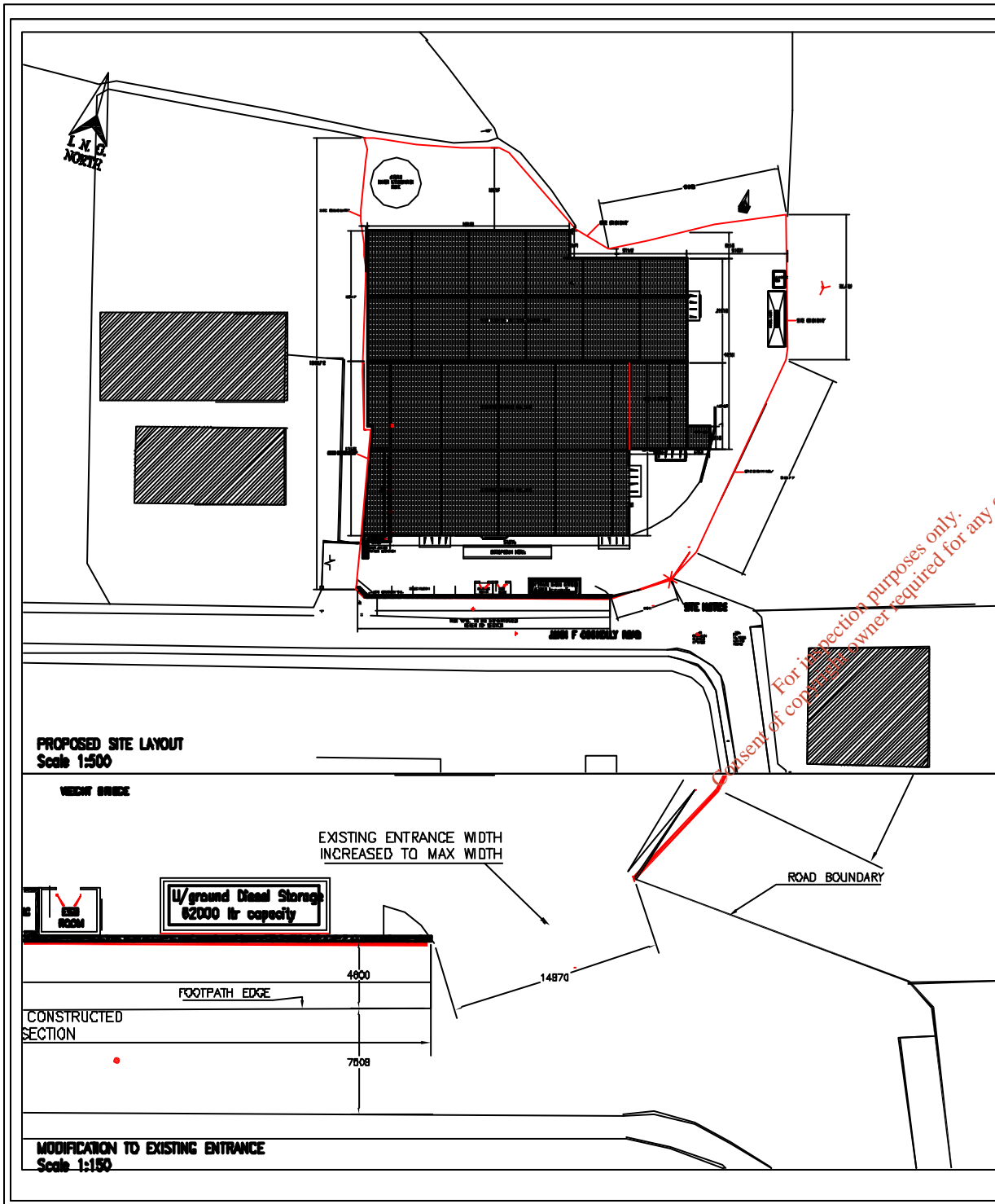
environmental health and safety engineering project management
 © Copyright of OES Consulting, 100 House, Pale Park, Tullis Co. Kerry.
 Tel: 353 (0)87126321 Fax: 353 (0)87126321 Email: info@oes.ie

Client: Country Clean Recycling Ltd
 Churchfield Ind. Estate, John F. Connolly Road, Co. Cark
 Title: Site Services

Scale: 1:250 Project No. 1094-01
 Drawing No. 1094_01_003

Appendix B.2.3
Site Layout including location of site Notice

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SITE AREA 8739m²

BUILDING AREA TO BE DEMOLISHED 1336m²

NEW BUILDING AREA 2980m²

EXISTING BUILDING AREA 2300m²

TOTAL BUILDING AREA 5280m²

Issue No.	Date	By	Checked	Approved	Note Ref.	Date
00	03/08	RF	PL	PL		

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 Tels: 353 (0)247718321 Fax: 353 (0)2477180091 Email: info@oes.ie

Client: Country Clean Recycling Ltd
 Churchfield Ind. Estate, John F. Connelly Road, Co. Cork

Title: Site Layout / Entrance & Wall Details

Scale: 1:500/80 | Project No. 1094-01

Drawing No. 1094_01_004

B.3 Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name: Cork City Council

Address: City Hall,

Co. Cork

Tel: Tel: +353 21 4966222

Fax: Fax: +353 21 4314238

Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article 9 of the Waste Management (Licensing) Regulations?

Planning Authority notified	Yes <input checked="" type="checkbox"/>
	No <input type="checkbox"/>

Planning Permission relating to this application:-

has been obtained	<input type="checkbox"/>
is being processed	<input checked="" type="checkbox"/>
is not yet applied for	<input type="checkbox"/>
is not required	<input type="checkbox"/>

Local Authority Planning File Reference N°:	Cork City Council
--	--------------------------

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Attachment B.3 should contain **the most recent** planning permission, including a copy of **all** conditions, and the required copies of any EIS should also be enclosed.

For existing activities, **Attachment B.3** should also contain copies of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc.

Attachment B.3

Planning Details

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment B.3 Planning Authority

Appendices

Appendix B.3.1	Copy of the Letter submitted to Cork City Council in Respect of the Waste Licence Application;
Appendix B.3.2	Copy of Letter submitted to the Environmental Protection Agency, and Cork County Council in respect of the Licence Application.
Appendix B.3.3	Planning Permissions & Conditions
Appendix B.3.4	Waste Management Permit as issued by Cork City Council
Appendix B.3.5	Original Waste Collection Permit issued by Cork County Council
Appendix B.3.6	Amendment to Waste Collection Permit, Revised Appendices A & B, Issue 3
Appendix B.3.7	Amendment Waste Collection Permit, Revised Appendices B & C Issue 4
Appendix B.3.8	Amendment to Waste Collection Permit, Revised Appendices C Issue 5
Appendix B.3.9	Waste Collection Permit Cork County Council
Appendix B.3.10	Waste Collection Permit Kilkenny County Council
Appendix B.3.11	Waste Collection Permit Wicklow County Council

Country Clean Recycling has notified Cork County Council of its intent to apply for a Waste Licence Application from the Environmental Protection Agency (EPA). A copy of the letter submitted to Cork County Council is appended as Appendix B.3.1.

The original planning permission for the site as issued by Cork County Council as appended as Appendix B3.2.

Planning Reference	Development Description	Decision
06/31262	To erect boundary wall together with ESB sub-station and meter room	Conditional
04/28951	the retention of buildings (area 528m2) and permission for the demolition (area 1.547m2) of existing buildings, the erection of a new waste materials recycling facility (area 2235M2) and the change of use of premises from skin & hides handling to waste materials recycling facility. The proposed development will increase the existing ridge height from 8.65m to 11.55m above ground level	Conditional

The most recent planning permission and all conditions – Appendix The most recent waste licence – Appendix B.3.3.

Copy of the Letter submitted to Cork City Council in Respect of the Waste
Licence Application

Appendix B.3.1

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Country Clean Recycling Ltd.,
The Mill, Castletownroche, Co. Cork

Tel: 022 46848

Fax: 022 46956

Email: sales@countryclean.ie

Web: www.countryclean.ie

6th December 2007

Head of Planning
Cork City Council
City Hall
Co. Cork

Our Ref: L1_CCC_20071206

Re: Waste Licence Application for Country Clean Recycling Ltd.

Dear Sir /Madam,

In accordance with Article 6 of the Waste Management Acts (1996 to 2003), Country Clean Recycling Ltd., t/a Cork Mini Skips registered at Churchfield Industrial Estate Co. Cork, gives notice of its intent to make an application to the Environmental Protection Agency (EPA) for a Waste Licence to operate a waste recovery facility.

The business is currently operating under a Waste Permit from Cork County Council (ref: CK WMC 234/04). The facility accepts material in accordance with classes 11, 12, and 13 of the Third Schedule of the Waste Management Acts. These aforementioned activities relate to the blending, repackaging, and storage activities prior to submission to for disposal/recovery. The principal activities undertaken at the facility in accordance with the Fourth Schedule of the Waste Management Acts is Class 4 "Recycling or reclamation of other inorganic materials". As part of the Waste Licence application the facility proposes to processes 100,000 tonnes of material per annum.

We hereby would wish to inform you of our intent to apply to the EPA for the Waste Licence. The EPA has requested a letter of consent from the Cork City Council to indicate that they are in satisfied with the above mentioned.

We would appreciate if you could cc Country Clean Recycling on any communication with the EPA on this matter.

Trusting this is to your satisfaction. If you have any further queries in relation to this matter please do not hesitate to contact me.

Yours Sincerely,

David O'Regan
Managing Director

Appendix B.3.2
Copy of the Letter submitted to the Environmental Protection Agency and
Cork City Council in Respect of the Waste Licence Application

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**Maeve McHugh,
Environmental Protection Agency,
Regional Inspectorate,
Inniscarra,
Co. Cork.**

23rd May 2008

Our Ref: L1_MH_20080523

Re: Country Clean Recycling Ltd. Waste Licence Application

Dear Ms McHugh,

Country Clean Recycling Ltd. would like to inform you of the outcome of the planning meeting with Cork City Council in relation to our application for a Waste Licence.

We met with the planner (Michelle Delaney) from Cork City Council in relation to the planning application on the 9th of April 2008. At the meeting we were informed that an Environmental Impact Statement and planning application would be required as part of the process. This was deemed necessary as a result of the increase in the volume of traffic, and the increase in waste of material processed onsite from 50,000 to 100,000 tonnes per annum. Please find attached a copy of the minutes of the planning meeting.

We are currently in the process of compiling the Environmental Impact Statement, Planning application and associated drawings, and Waste Licence application. On completion the Environmental Impact Statement which will provide a supporting role to the Waste Licence application will be made available to the Environmental Protection Agency.

Country Clean Recycling Ltd is endeavouring to have their waste license application with Environmental Protection Agency at earliest possible opportunity. If you have any further questions in relation to the matter please do not hesitate to contact me.

Kind Regards

Yours sincerely

Flor Crowley

Environmental Officer

C.C. Emily McCarthy OES Consulting 2nd Floor FBD House, Fels Point, Tralee Co. Kerry

C.C. Michelle Delaney, Planning Department Directorate, Cork City Council, City Hall, Co. Cork

C.C. James Goulding, Environmental General Office, Cork City Council, 12 Mary Street, Co. Cork.

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Appendix B.3.3
Planning Permissions & Conditions

**Schedule of Conditions attached to
Planning Permission issued by Cork
City Council - Ref. T.P.04/28951**

Second Schedule

	Column 1. Conditions		Column 2. Reasons For Conditions
1	The development shall be carried out in accordance with the drawings and specifications submitted to the Planning Authority on 9/10/04 except where altered or amended by conditions in this permission.	1.	To enable the Planning Authority to check the proposed development when completed.
2	Full details of all signage shall be submitted to and agreed with the Planning Authority prior to the commencement of development.	2.	In the interests of visual amenity.
3.(a)	Storm runoff from the whole site shall discharge to the existing 525mm diameter public storm sewer located in and at the rear of the site via a single connection. Details of this connection shall be submitted to and agreed with the Drainage Section.	3.	In the interests of public health
(b)	The maximum allowable storm runoff from the whole site shall be 4.5ltr/s. Details relating to the proposed storm water attenuation and flow control arrangements shall also be submitted to and agreed with the Drainage Section. Full supporting calculations clearly demonstrating that the storm water attenuation volume would be adequate to retain all storm flows arising within a 20 year return period subject to the said discharge rate shall be submitted to and agreed with the Drainage Section.		
(c)	The proposed truck wash shall drain to the foul sewerage via the proposed petrol interceptor.		
(d)	The said petrol interceptor shall be full-retention type. Full details relating to the petrol interceptor shall be submitted to and agreed with the Drainage Section.		
(e)	Foul water from the proposed development shall discharge to the existing 225mm diameter public foul sewer located in and at the rear of the site via a single connection. Details of this connection shall be submitted to and agreed with the Drainage Section.		

	Column 1. Conditions		Column 2. Reasons For Conditions
(f)	A revised drainage layout shall be submitted to and agreed with the Drainage Section.		
(g)	No building shall encroach on existing wayleaves.		
4.(a)	All work shall be carried out to the satisfaction of the Roads, Water, and Drainage Department.	4.	In the interests of proper planning and Development
(b)	Any re-location of existing services shall be carried out to the satisfaction and agreement of Cork City Council and at the applicant's expense.		
5.(a)	The water supply shall be metered. The metering arrangements shall be agreed with the City Council Water Section.		In the interests of a satisfactory water supply.
(b)	Cold water storage of not less than one days demand shall be provided.		
(c)	All fittings except drinking points shall be fed from storage.		
(d)	A 1:1000 map showing the proposed position of meter(s) shall be submitted to the Water Department prior to development commencing. New Meters shall be to Cork City Council Specifications and shall be installed by Cork City Council Staff.		
(e)	Any additional fire hydrants required by the Fire Authority shall be fitted.		
(f)	The water connections shall be agreed with the City Council Water Section before work commences.		
(g)	Any redundant water services shall be traced back to the public main by the developer and shall be blanked off by Cork City Council at the developers expense.		
(h)	All work shall comply to the City Councils' General Specifications for Watermains and Service for New Developments.		
6.(a)	Within one month of the date of grant of this permission, full details of a screen type fencing, incorporating a fine mesh to contain on site wind blown material shall be submitted to and agreed with the Planning Authority. This fencing shall be a dark green coated finish.	6.	In the interests of visual amenity.
(b)	Prior to the commencement of development a fully detailed landscaping plan; which shall provide		

	Column 1. Conditions		Column 2. Reasons For Conditions
	for semi-mature planting (200-250 m.m. girth) shall be submitted.		
7.	<p>Prior to the commencement of the proposed development, the Developer shall pay a contribution to Cork City Council in respect of the following classes of public infrastructure and facilities benefiting development in the City on behalf of Cork City Council:</p> <p>Class 1 - Roads, Transportation Infrastructure and Facilities Class 2 - Water and Drainage Infrastructure and Facilities Class 3 - Parks, Recreation, Amenity and Community Facilities</p> <p>The present value of the contribution as determined under the General Development Contributions Scheme made by Cork City Council on the 12th January 2004 ('the GDC Scheme') is €215,544.94 subject to indexation in accordance with the Consumer Price Index prevailing at the date of payment and subject further to such exemptions or reductions as apply to the proposed development having regard to the provisions of Table 5 of the GDC Scheme and to such partial refund of 64 % of the contributions paid in respect of first time buyers of residential property, not exceeding 108 square metres, as set out in Table 5 of the GDC Scheme.</p>	7.	<p>To comply with the General Development Contribution Scheme which was adopted by Cork City Council on 12th January, 2004 and in the interests of proper planning and sustainable development of the area.</p>

**Schedule of Conditions attached to
Planning Permission issued by Cork
City Council - Ref. T.P.06/31262**

Second Schedule

	Column 1. Conditions		Column 2. Reasons For Conditions
1.	The development shall be carried out in accordance with the drawings and specifications submitted to the Planning Authority on 20/09/06 except where altered or amended by conditions in this permission.	1.	To enable the Planning Authority to check the proposed development when completed.
2.	The proposed boundary wall shall be stepped and shall not exceed a height of 2.5m over the adjoining ground levels. The boundary wall shall be capped and the face of which shall be suitably finished to the satisfaction of the planning authority.	2.	In the interests of visual amenity.
3.	Prior to the commencement of development measures to ensure the protection of both sewers where they cross the proposed boundary wall shall be submitted to the planning authority for prior written agreement.	3.	In the interests of public health.
4.	All conditions of the governing permission Ref. T.P.04/28951 shall apply to this permission also.	4.	In the interests of proper planning and sustainable development of the area.
5.(a)	The applicant shall be responsible for the immediate temporary reinstatement to make safe any damage to road/footway adjoining the development during the course of the works. Permanent reinstatement shall subsequently be carried out by Cork City Council at the applicants expense.	5.	In the interests of safety of pedestrians and road users.
(b)	Surface water from site shall not run across public footpath or road and driveway gradient shall not exceed 1 in 10.		
6.	The location of all underground services to be established before work commences on site. The onus is on the applicant to ensure the execution of proper testing and current building procedures, to safe guard any such services.	6.	In the interests of amenities.
7.	Drainage measures to protect both sewers where they cross the proposed wall shall be submitted for prior agreement.	7.	In the interests of public health.

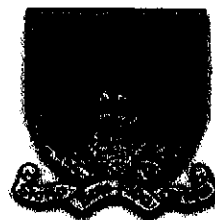
	Column 1. Conditions		Column 2. Reasons For Conditions
8.	<p>Prior to the commencement of the proposed development, the Developer shall pay a contribution to Cork City Council in respect of the following classes facilities benefiting development in the City of Cork and that is provided or that is intended to be provided by or on behalf of Cork City Council, in accordance with the General Development Contributions Scheme ("the GDCS scheme"):</p> <p>Class 1 - Roads, Transportation Infrastructure and Facilities Class 2 - Water and Drainage Infrastructure and Facilities Class 3 - Parks, Recreation, Amenity and Community Facilities</p> <p>The present value of the contribution as determined under the General Development Contributions Scheme made by Cork City Council on the 12th January 2004 ("the GDC Scheme") is €3,265.88 which sum is subject to indexation in accordance with the Consumer Price Index prevailing at the date of payment and subject further to such exemptions or reductions as apply to the proposed development having regard to the provisions of Table 5 of the GDC Scheme and to such partial refund of 64 % of the contributions paid in respect of first time buyers of residential property, not exceeding 108 square metres, as set out in Table 5 of the GDC Scheme.</p>	8.	<p>To comply with the General Development Contribution Scheme which was adopted by Cork City Council on 12th January, 2004 and in the interests of the proper planning and sustainable development of the area.</p>

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Appendix B.3.4
Waste Management Permit



Comhairle Chontae Chorcaí



Comhairle Cathrach Chorcaí

Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT

Permit Register Reference Number CK WMC 234/04 @ 2

Cork County Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2008, having carried out a review of Waste Collection Permit CK WMC 234/04, [by Directors Order No ENV1075/2008] hereby issues amended conditions to be attached to the said Waste Collection Permit of:

Country Clean Recycling Ltd T/A Northside Skips, MK Skips, Cork Mini Skips, Kinsale & District Skip Company, Collins Waste Management

herein after called the Permit Holder

Of: **Ballywalter, Shanballymore, Mallow ,Co. Cork**

subject to the attached schedule of conditions

The attached conditions supersede all previous conditions issued for attachment to the said Waste Collection Permit (CK WMC 234/04). Cork County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. Cork County Council shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

ALL AREAS WITHIN CORK CITY AND CORK COUNTY

Signed: **Jean Sayers**
Senior Executive Engineer

Date: **19th November 2008**

REASON FOR THE DECISION

Cork County Council is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the activity will not cause environmental pollution and the grant of this permit is in accordance with the objectives of the applicable Waste Management Plan and the National Hazardous Waste Management Plan.

In reaching this decision, Cork County Council has considered any information submitted as part of the review process by the permit holder and valid submissions received from the relevant local authorities and other parties.

INTERPRETATION

All terms in this permit should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2008 (the Act), and its associated regulations.

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CONDITIONS

1 SCOPE OF PERMIT.

- 1.1 For the avoidance of doubt, any reference to the term permit shall be deemed to include all conditions attached thereto.
- 1.2 The permit holder may collect the wastes specified in condition 1.3 in the functional areas of Cork City and Cork County Council.
- 1.3 The permit holder shall only collect such wastes as have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix A to this permit or such later revision of the said appendix as Cork County Council may issue.
- 1.4 The permit holder shall notify Cork County Council in writing of any proposed changes in the information furnished and shall obtain written approval from Cork County Council prior to these changes occurring.
- 1.5 This permit and any condition imposed therein shall not relieve the permit holder of any statutory obligations under any other enactment whatsoever.
- 1.6 This permit is non-transferable.
- 1.7 The specified retention period for records referred to herein shall be deemed as 3 years unless otherwise notified by Cork County Council.

2. MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

- 2.1 The permit holder shall ensure that where waste collected under this permit is transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies-
- (i) there is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility, or
 - (ii) an application for such licence or permit has been made to, and is under consideration by, the Agency or relevant local authority and the activity concerned may be lawfully carried on pending a decision in relation to the said application.
- 2.2 The permit holder may not transfer waste to a facility under condition 2.1 of this permit unless the waste activity at that facility is authorised under:
- (i) Section 39(1) of the Act, in the case of a facility subject to licensing, or
 - (ii) Article 4 of the Waste Management (Permit Regulations), 1998 in the case of an activity specified in Part I or part II of the First Schedule of the said Regulations.

Note: An authorised waste management facility does not include a facility for which a licence/permit has been revoked or a licence/permit has not yet been granted for applications made after the prescribed date.

- 2.3 The permit holder shall only transfer waste to the facilities that have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix B to this permit or such later revision of the said appendix as Cork County Council may issue and to no other facilities whatsoever.
- 2.4 If the permit holder proposes to transfer waste to facilities other than those which were previously agreed with Cork County Council, the permit holder shall, a minimum of ten working days prior to use of these facilities, submit the following details in writing for the written agreement of Cork County Council:
- (i) Origin of waste material.
 - (ii) Description of waste including European Waste Catalogue (EWC) code.
 - (iii) Location, ownership details, and contact number of the facility.
 - (iv) Waste permit or license details of the facility.
 - (v) Written confirmation from the operator of the facility that the said waste will be accepted there.
- 2.5 The permit holder shall carry or cause to be carried a complete copy of this permit at all times on each vehicle which is used for the purposes of the activity to which the permit relates.
- 2.6 The permit holder shall carry or cause to be carried a copy of the latest revision of all appendices issued by Cork County Council at all times on

each vehicle which is used for the purposes of the activity to which the permit relates

- 2.7 The permit holder shall take steps to ensure that all, or a specified proportion of waste collected by the permit holder, or of any class or classes of such waste, is segregated, treated or recovered, in such manner as may be specified by Cork County Council
- 2.8 Where any local authority has made bye-laws under section 35 of the Act the permit holder shall not collect waste in the functional area of the said local authority unless it has been presented in accordance with the requirements of the said bye-laws.
- 2.9 Where waste has been segregated prior to collection in accordance with a bye-law referred to in condition 2.8 or by Regulation, or by any requirement of the applicable waste management plan, the permit holder, if collecting the recyclable fraction of the waste, shall ensure that this fraction is separately collected in its entirety, kept free of contamination, and transferred to a suitable recovery facility in accordance with the said Bye-law, Regulation or Plan. Similarly biodegradable waste if required to be segregated and separately collected shall be transferred to a suitable biodegradable waste treatment facility.
- 2.10 The permit holder shall identify all hazards associated with the waste being collected, and shall be familiar with best practice regarding its safe movement and handling and shall adopt all necessary, reasonable and practicable safety measures accordingly.
- 2.11 The permit holder shall have in place a documented Emergency Response Procedure (ERP), which shall address any emergency incident that may arise. This procedure shall include for an emergency response unit, replacement vehicles, clean-up equipment, etc in order to minimise the effects of the emergency on the environment. The permit holder shall maintain a copy of the ERP at the principal place of business of the permit holder.
- 2.12 The permit holder shall ensure that all operatives employed in the waste collection activity are familiar with the conditions of this permit and the ERP.
- 2.13 The permit holder shall clean up immediately any spillage of waste, which occurs in the course of the collection operation, in a manner, which will not cause environmental pollution. The permit holder shall carry an emergency spillage kit on each vehicle listed in appendix C, at all times, to deal with minor spillages.
- 2.14 The permit holder shall not cause environmental pollution during the course of the waste collection activity to which this permit relates.

3. VEHICLES, SKIPS AND RECEPTACLES.

- 3.1 The permit holder shall only use the vehicles as have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix C to this permit or such later revision of the said appendix as Cork County Council may issue, for the purposes of the activity to which this permit relates.
- 3.2 All vehicles used by the permit holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 75 millimetres high :
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder.
 - (iii) Waste Collection Permit Number
- 3.5 Each skip, tanker, trailer or container used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder;
 - (iii) A unique identification number for the skip, tanker, trailer or container.
- 3.6 The permit holder shall ensure that skips containing waste are appropriately covered during transit to prevent spillage and litter nuisance.
- 3.7 The permit holder when using a skip for the purposes of the activity to which this permit relates shall provide the hirer, with a written agreement detailing:
- (i) that the hirer shall not allow the placement of hazardous waste in the skip
 - (ii) the types of wastes which may be placed in the skip as listed in appendix A to this permit.
- 3.8 No skip, tanker, trailer or container used for the purposes of the activity to which this permit relates and which contains waste shall be left in a public place (as defined in the Litter Pollution Acts 1997 and 2003), other than where it is initially filled, unless it is on or attached to a mechanically

propelled vehicle, which is in transit to a facility as listed in Appendix B to this permit.

- 3.9 All wheeled bins used for the collection of municipal waste shall comply with standard I.S. EN840 parts 1-6
- 3.10 Wheeled bins for municipal waste (including separately collected fractions) shall be identified with the name, address and telephone number of the permit holder in clearly legible lettering and a unique customer reference number. The permit holder shall supply the name and address of a customer to whom a reference number applies on request. The permit holder shall submit written details of the identification system to Cork County Council for approval on request.
- 3.11 The Permit Holder shall ensure that vehicles covered by this permit shall not be parked overnight at any location other than a licensed or permitted facility while carrying waste unless otherwise agreed in writing with Cork County Council.
- 3.12 Vehicles covered by this permit shall not be parked overnight at any location other than a licensed or permitted waste facility while carrying waste save with the prior written approval of Cork County Council.

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4. NOTIFICATION, RECORD KEEPING AND SUBMISSION OF INFORMATION

- 4.1 The permit holder shall notify Cork County Council in relation to any conviction for an offence prescribed under article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The permit holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the occurrence of any incident connected with the activity to which this permit relates that caused or has the potential to cause environmental pollution or a threat to human health. The permit holder shall include as part of the notification the date, time, location and a full description of the incident. The permit holder shall also send a written record of the incident to Cork County Council within 1 week of the incident. This written record of the incident shall include the following information:
- (i) the date, time and location of the incident,
 - (ii) a full description of the incident,
 - (iii) details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
 - (iv) details of steps taken to avoid recurrence of similar incidents.
- 4.3 Permit holders who are not based in the Republic of Ireland shall within 1 month of the date of grant of this permit submit details of a registered service address in the Republic of Ireland
- 4.4 The permit holder shall notify Cork County Council in advance of any proposal to increase the level of fees charged to householders for waste collection services provided.
- 4.5 The permit holder shall have a docket system for recording non-hazardous industrial/commercial and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following (unless otherwise agreed in writing by Cork County Council):
- (i) the name and waste collection permit number of the permit holder
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle

- (iv) signature and name of the waste producer and address of origin of the waste,
- (v) the local authority area of origin of the waste,
- (vi) Description of waste including European Waste Catalogue (EWC) code.
- (vii) the name, address and licence or permit number of the waste facility to which the consignment of will be delivered,
- (viii) quantity of waste delivered to the waste facility in units of tonnes or litres,
- (ix) signature of the vehicle driver, and
- (x) signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility.

- 4.6 The permit holder shall have a docket system for recording waste from a regular collection round of non-hazardous household and commercial waste producers. One individually numbered docket shall be used per vehicle per day. The docket shall be retained on the vehicle while the waste to which the docket relates is being transported on the vehicle. Each docket shall at a minimum contain the following (unless otherwise agreed in writing by Cork County Council):
- (i) the name and waste collection permit number of the permit holder,
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle
 - (iv) The area in which the waste originated ,
 - (v) The local authority of origin of the waste,
 - (vi) Description of waste including European Waste Catalogue (EWC) code.
 - (vii) the name, address and licence or permit number of the waste facility or facilities to which the consignment will be delivered,
 - (viii) Quantity of waste delivered to the waste facility in units of tonnes or litres
 - (ix) signature of the vehicle driver, and
 - (x) Signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility.

- 4.7 Cork County Council may at any time serve a notice on the permit holder specifying the format and layout of dockets which the permit holder shall use in accordance with condition 4.5 and 4.6 of this permit. The permit holder shall comply with the provisions of any such notice.
- 4.8 The permit holder shall carry the dockets referred to in Conditions 4.5 and 4.6 on the vehicle on which the waste they refer to is carried until control of the waste is transferred to a facility specified in Appendix B of this permit. After that time, the permit holder shall retain the dockets referred to in Conditions 4.5 and 4.6 at the principal place of business of the permit holder for the specified retention period and shall make them available for inspection by an authorised person on demand.
- 4.9 The permit holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.5 and 4.6 maintain up-to-date (or monthly) summaries of the following information in respect of waste collected by the permit holder in each calendar month:
- (i) Local Authority area of Origin of Waste
 - (ii) Point of collection
 - (iii) Description of waste including European Waste Catalogue (EWC) code indicating whether or not the waste is hazardous
 - (iv) Quantity of each waste type collected in tonnes or litres
 - (v) The name, address and licence or permit number of the waste facility or facilities to which waste was delivered by the permit holder,
 - (vi) Country of destination (if abroad)
 - (vii) The nature of the activity carried on each waste facility to which waste was delivered by the permit holder (i.e. Disposal or recovery or transfer station)
 - (viii) The total number of households provided with waste collection by the permit holder
 - (ix) The number of households provided with kerbside dry recyclable waste collection by the permit holder
 - (x) The number of households provided with a biodegradable kerbside waste collection by the permit holder
 - (xi) The number of households provided with 'pay-by-use' waste collection by the permit holder.
 - (xii) The number of households, which avail of the Pay-By-Use waste collection service provided by the permit holder.
- 4.10 The records maintained by the permit holder in accordance with condition 4.9 shall be kept at the address of the principal place of business for the specified retention period and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.
- 4.11 The permit holder shall, not later than 28th February in each year furnish to Cork County Council an Annual Report (AR) in respect of waste collection

activities carried out by the permit holder in the preceding calendar year. The AR shall be a summary of the records maintained under condition 4.5, condition 4.6 and condition 6 of the permit. The AR shall contain the following information, in summary form, in respect of waste collected by the permit holder in the preceding calendar year:

- (i) Local Authority area of Origin of Waste
- (ii) Point of collection
- (iii) EWC Codes, indicating whether or not the waste is hazardous
- (iv) Waste Description
- (v) Quantity of each waste type collected (in tonnes)
- (vi) Destination of waste (ie. facility name and address)
- (vii) Waste licence or waste permit register number of facilities to which waste is delivered
- (viii) Country of destination (if exported abroad for treatment)
- (ix) the nature of the activity carried on at the waste facility to which waste is delivered (ie. Disposal or recovery)
- (x) The total number of households from which the permit holder collected waste
- (xi) The number of households provided with kerbside dry recyclable waste collection by the permit holder
- (xii) The number of households provided with a biodegradable kerbside waste collection by the permit holder
- (xiii) Copy of current Insurance Policy Certificates as outlined in Condition 5.3
- (xiv) Any impositions or convictions imposed as outlined in Condition 4.1
- (xv) Details of any reportable incidents as outlined Condition 4.2
- (xvi) Details of any loads rejected at a facility
- (xvii) Details of any non-compliances with the conditions of the permit.
- (xviii) A copy of the Emergency Response Procedure, prepared and annually reviewed, by a suitably qualified person, in accordance with Condition 2.11.

The information specified above shall be filled on the annual report form which is available on the Cork County Council website at the following internet address www.corkcoco.ie.

The completed form shall be submitted by the 28th February each year in respect of the preceding calendar year to Cork County Council by e-mail to wcpstats@corkcoco.ie, or posted to Cork County Council on a 3 1/2" computer diskette or CD, unless otherwise agreed in writing with Cork County Council.

- 4.12 A copy of all correspondence sent to and received from Cork County Council regarding this waste collection permit shall be kept at the address of the principal place of business for the specified retention period following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.

- 4.13 The permit holder shall at his principal place of business for the specified retention period maintain a list of the name and address of each waste producer and waste facility from which the permit holder collects waste for inspection by an authorised person.
- 4.14 All written communication from the permit holder to Cork County Council shall be addressed to the following address:
**Environment Department,
Cork County Council,
Inniscarra,
Co. Cork.**
- 4.15 Where Cork County Council notifies the Permit Holder of a proposal to review this permit, the Permit Holder shall submit such information as may be requested in the said notice within the stated time frame.

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5. CHARGES AND FINANCIAL PROVISIONS.

- 5.1 The permit holder shall pay to Cork County Council:
- (i) the cost of any investigations carried out or caused to be carried out by the local authority so as to enable it properly to decide on an application, or
 - (ii) any costs incurred by the local authority for the purpose of ensuring compliance by the holder of a permit with the requirements of the said permit, including the cost of any inspections, audits or investigations carried out or caused to be carried out by the local authority, and the taking and analysis of any sample.
- 5.2 The permit holder shall effect and maintain an appropriate and adequate policy of insurance in respect of vehicles used for the purposes of, and liabilities arising from, the waste collection activity, including employer's liability and public liability as relevant.
- 5.3 The minimum acceptable level of indemnity is €6,400,000 for Public Liability Insurance and €6,400,000 for third party property damage on Motor Insurance and €12,800,000 for Employers Liability.

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6. CONDITIONS SPECIFIC TO WASTE TYPES

6.1 COMMERCIAL AND INDUSTRIAL WASTE

- 6.1.1 Within 1 month of the date of grant of this permit, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Cork County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from commercial and industrial premises. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.1.2 Within 1 month of the provision of suitable facilities for the treatment of the biodegradable fraction of municipal waste, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Cork County Council for the implementation and maintenance of a separate system for kerbside collection of biodegradable waste from commercial and industrial premises. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.1.3 Source separated waste shall not be mixed during collection.
- 6.1.4 The Permit Holder shall not collect materials containing hazardous waste, unless specifically permitted in accordance with Condition 1.3 and as listed in Appendix A.
- 6.1.5 The permit holder shall provide separate receptacles for packaging waste which have been segregated in accordance with the Waste Management (Packaging) Regulations, 2003 or as amended.
- 6.1.6 The permit holder shall not collect packaging waste for disposal from a producer, without first receiving a written declaration as required under article 27(b) of the Waste Management (Packaging) Regulations 2003 or as amended.
- 6.1.7 The permit holder shall notify the local authority in advance, within a period of not less than one month, of any proposal to alter/extend the range of dry recyclable materials for separate collection under 6.1.1 above.

6.2 CONSTRUCTION AND DEMOLITION WASTE

- 6.2.1 The permit holder shall take measures to ensure compliance with National targets for the recovery, recycling and re-use of construction and demolition wastes.
- 6.2.2 Construction and demolition waste, where technically and economically feasible, shall be source segregated and transported for recovery, recycling or reuse.
- 6.2.3 The permit holder shall not mix source separated construction and demolition wastes during collection and transport.
- 6.2.4 The permit holder shall damp down dry or dusty wastes prior to transport.
- 6.2.5 The permit holder shall ensure that no waste is deposited on the public road during the collection and transportation of the waste.
- 6.2.6 The permit holder shall not collect soil and stones containing hydrocarbons or dangerous substances unless specifically permitted in accordance with condition 1.3 and as listed in Appendix A.
- 6.2.7 The permit holder shall ensure that no pollutants or other waste types are allowed to contaminate loads destined for recovery, recycling or reuse. The permit holder shall transfer contaminated loads to appropriate licensed / permitted facilities where segregation / treatment can be carried out.
- 6.2.8 Collection of construction and demolition wastes that are hazardous in nature is additionally subject to the conditions specified for Hazardous Wastes

6.3 DOMESTIC WASTE

- 6.3.1 Within one month of the date of grant of this permit, the Permit Holder shall, in accordance with condition 2.7, submit details for the written agreement of Cork County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from households. The Permit Holder shall implement and operate a separate system for kerbside collection of dry recyclables from households as was agreed with Cork County Council.
- 6.3.2 The Permit Holder shall operate a system of "Pay by Use" from households serviced within Cork County and City. The system shall be amended as required in writing by Cork County Council.
- 6.3.3 Within one month of the date of grant of this permit, the Permit Holder shall submit full details, for the written agreement of Cork County Council,

of the Pay-By-Use system collection service, which is provided to householders within Cork County and City, by the permit holder in accordance with Condition 6.3.2. Pay by tag, pay by lift or pay by weight are typical "Pay by Use" systems but the Permit Holder may operate an agreed alternative deemed appropriate by Cork County Council. The system must demonstrate a clear incentive to householders to minimise residual waste and maximise recycling. The permit holder shall submit details on how the system is operated, how the customers are notified of the pay-By-Use system and how many customers avail of the system.

- 6.3.4 Within one month of the date of grant of this permit, the Permit Holder shall notify all householders of the Pay by Use system that the Permit Holder operates in accordance with Condition 6.3.2.
- 6.3.5 Within one month of the date of grant of this permit, the Permit Holder shall publish, in a newspaper that circulates in the area of collection, details of the Pay-By-Use system, which the Permit Holder operates in accordance with Condition 6.3.2 and how customers can avail of the service.
- 6.3.6 The Permit Holder shall notify Cork County Council and all persons availing of their domestic waste collection activities of the frequency of collection and, a minimum of 10 working days in advance of any alternative arrangements made for collection in relation to public holidays etc., or of any proposal to cease or reduce the level of collection.
- 6.3.7 The permit holder shall implement an education and awareness programme. The Permit Holder shall submit details of the programme within three months of the grant of this permit, for agreement with Cork County Council. The programme shall include, unless otherwise agreed with the Cork County Council:
- (i) Timetable for implementation of the education and awareness programme.
 - (ii) Details of mail-shots and leaflet drops.
 - (iii) Details of newspaper advertisements.
 - (iv) Details of a customer help-line including details of staff training.
 - (v) Procedures for rejected/contaminated materials.
 - (vi) Any agreed program shall be implemented within 6 months following the date of agreement.
 - (vii) The permit holder shall send a copy of all promotional material to Cork County Council c/o Environment Department, Inniscarra, Co. Cork.

6.4 END OF LIFE VEHICLES

- 6.4.1 The permit holder shall ensure that all vehicles used for the collection and transportation of end-of-life vehicles (ELVs) shall be of such design to prevent spillage and leakage of end of life vehicle fluids and in any event carry adequate stocks of spill kits (including oil absorbent materials, pillows and blankets) to deal with any spillage's of end of life vehicle fluids that may occur during transport.
- 6.4.2 The permit holder shall only use mobile car balers for the collection of ELVs, containing neither liquids nor other hazardous components. The permit holder shall not crush hazardous ELVs using mobile car balers prior to treatment and de-pollution.
- 6.4.3 The permit holder is prohibited from collecting ELVs in a waste collection vehicle with other metal waste
- 6.4.4 The permit holder shall only use tow trucks to transport ELVs that are intact and not leaking liquids or hazardous fluids and which have not been crushed or baled.
- 6.4.5 The permit holder shall obtain a Certificate of Destruction for each vehicle, which is delivered to an end of life vehicle disposal/ recovery facility. This Certificate of Destruction shall be issued by the facility in accordance with the provisions of Article 5.3 of Council Directive 2000/53/EC. A copy of this Certificate shall be retained at the principal place of business of the permit holder for a period of three years.
- 6.4.6 The permit holder shall ensure that all vehicles used for the collection and transportation of ELVs shall carry an adequate number of fire extinguishers to deal with any fires that may occur during transport. Any fire shall be treated as an incident and reported as per condition 4.2

6.5 HAZARDOUS WASTE

- 6.5.1 The permit holder is only permitted to deliver hazardous wastes to facilities that have been notified to Cork County Council and which were subsequently agreed, and to no other facilities whatsoever, subject to condition 2.3 and as listed in Appendix B.
- 6.5.2 In addition to the normal labelling requirements under relevant legislation (e.g. ADR, Carriage of Dangerous Goods by Road Regulations etc.), all receptacles used for the collection of hazardous waste shall be clearly identified as containing hazardous waste.
- 6.5.3 The Permit Holder shall keep in the collection vehicle a list of hazardous wastes that may be accepted at specified licensed or permitted facilities including a copy of the written consent obtained from the permitted or licence facility.
- 6.5.4 The Permit holder shall put in place a backup plan (called the rejection procedure) to deal with an event that a hazardous waste load is rejected at a facility listed in Appendix B. The rejection procedure detailed in the Hazardous Waste Collectors C1 Form provides for a rejected load to be returned to its point of origin. Any load of hazardous waste that is rejected shall be treated as an incident and reported as per condition 4.2
- 6.5.5 If vehicles are to be used for the collection of any other waste types, they shall be decontaminated prior to use.
- 6.5.6 All vehicles used for the collection and transport of hazardous material shall be clean, dry and residue-free prior to commencement of loading of any new consignment of Hazardous Waste.
- 6.5.7 Where the Permit Holder collects waste containing asbestos fibres or dust care must be taken to ensure that the waste is treated and packaged so as to prevent the release of asbestos particles into the environment in accordance with Council Directive 87/217/EEC.
- 6.5.8 The Permit Holders shall maintain records of all hazardous waste movements and shall comply with the Waste Management (Movement of Hazardous waste) Regulations, 1998 (S.I. No. 147 of 1998), with the Waste Management (Shipments of Waste) Regulations, 2007(S.I. No. 419 of 2007) and with Regulation (EC) No 1013 of the European Parliament and of the Council of 14 June 2006 on shipment of waste. Accordingly, no movement of hazardous waste from point to point within the State should take place without a C1 form being completed. Where waste is to be exported, a transfrontier shipment of waste authorisation should be in place.

6.6 INCINERATION WASTE

The Permit Holder is not permitted to collect these waste types under the Waste Management (Collection Permit) Regulations 2001.

6.7 SLUDGES / SLURRIES AND SEPTIC TANK WASTE

- 6.7.1 For the purpose of this condition the term landbank shall mean lands used for spreading or treating waste with a consequential benefit for an agricultural activity or ecological system
- 6.7.2 The permit holder shall spread waste only on the landbanks notified to Cork County Council and which were subsequently agreed and to no other landbanks whatsoever, subject to condition 2.3 and as listed in Appendix B
- 6.7.3 The permit holder shall ensure where wastes collected originate from an Integrated Pollution Prevention and Control (IPPC) licensed facility the waste shall be transported to appropriate facilities as governed under the IPPC licence.
- 6.7.4 The permit holder shall ensure that the spreading of sludge on lands, which are exempt from the requirement to hold a waste licence under section 39 of the Waste Management Act, 1996 to 2006 by virtue of section 51(2)(a) of the Act, is carried out in accordance with a Nutrient Management Plan specific to those lands. The Nutrient Management Plan shall comply with the Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 (S.I. No.148 of 1998), the Waste Management (Use of Sewage Sludge in Agriculture)(Amendment) Regulations, 2001 (S.I. No. 267 of 2001), the EPA code of practice for the application of organic waste to land, and "Good Farm Practice", published by the Department of Agriculture, Food and Rural Development (2001), and "Nutrient and Trace Element Advice for Grassland, Tillage, Vegetable and Fruit Crops", published by Teagasc 2004.
- 6.7.5 The permit holder shall be familiar with the requirement placed on holders of waste arising from any bye-laws made under Section 21 of the Local Government (Water Pollution) Act, 1990 by the local authorities in whose area a disposal / recovery activity is being carried out and shall keep a copy of all such bye-laws at the address of the principal place of business
- 6.7.6 Where bye-laws referred to in condition 6.7.5 have been made by Cork County Council the permit holder shall not spread waste on the lands unless it is in accordance with the requirements of the bye-laws in force in the local authority concerned.
- 6.7.7 Within 1 month of the date of grant of this permit, the permit holder shall register on Cork County Council's Sewage Sludge Register System. The permit holder shall record specific details of each consignment of sewage sludge (as defined under the Waste Management (Use of Sewage Sludge

in Agriculture) Regulations 1998 as amended) which he/she/it transports within Co. Cork and shall input these details into Cork County Council's central electronic database via the internet on a monthly basis unless otherwise agreed in writing with Cork County Council.

6.8 WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

- 6.8.1 Where Waste Electrical and Electronic Equipment (WEEE) collected by the permit holder is of a hazardous nature as defined in the European Waste Catalogue (EWC), the permit holder shall adhere to the special conditions relating to collection of hazardous waste.
- 6.8.2 WEEE shall only be collected, handled, transported and stored in a manner so as to avoid damage that would prevent equipment or components from being reused, recycled or recovered.
- 6.8.3 The permit holder shall not crush hazardous WEEE or remove hazardous substances and components prior to treatment and de-pollution.

6.9 WASTE OILS

The Permit Holder is not permitted to collect these waste types under the Waste Management (Collection Permit) Regulations 2001.

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Appendix A

Permitted waste types in accordance with Condition 1.3.

02 01 04	waste plastics (except packaging)
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
16 01 03	End-of-life tyres
16 01 20	glass
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 04 01	Copper, bronze, brass
17 04 02	Aluminum
17 04 05	Iron and steel
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 08 02	Gypsum-based construction and demolition wastes 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
18 01 04	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
19 12 03	Non ferrous metals
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 11	textiles
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 02 01	Biodegradable waste
20 02 02	Soil and stone
20 03 01	Mixed municipal waste
20 03 07	Bulky waste

20 01 27*	Paints, inks, adhesives and resins containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
16 01 06	End-of-life vehicles containing neither liquids nor hazardous components
20 01 21*	Fluorescent tubes and other mercury-containing waste
20 01 23*	Discarded equipment containing chlorofluorocarbons
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 ⁽²¹⁾
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

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Appendix B

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

Facility – Name and Address	Permit/License Number	Expiry Date
Country Clean Recycling Ltd Churchfield Industrial Estate, John F Connolly Road, Cork	02/07	30/06/2010
Gortadroma Landfill Site Gortadroma, Ballyhahill, Co. Limerick	W0017-02	N/A
Youghal Landfill Site Youghal Mudlands, Youghal, Co. Cork	W0068-02	N/A
Cork Metal Company, Dublin Hill, Cork	CK (S) 491//07	29/01/2011
Killarney Waste Disposal Ltd Aughacureen, Killarney, Co. Kerry	W0217-01	N/A
Bernard O'Brien Waterfall, Co. Cork	CK (S) 437/07	30/10/2010
AVR Environmental Solutions Ltd , Youghal , Co. Cork	W0211-01	N/A
Crossmore Transport Ltd Rockmills, Kildorrery, Co. Cork	CK (N) 368/06	17/11/2008
Textile Recycling Ireland Ltd Belgard Road, Tallaght, Co. Dublin	WPR014	10/09/2009
CTO Environmental Solutions, Rostellan, Midleton, Co. Cork	CK (S) 283/06	20/06/2009
Hegarty Metals Processors Ltd, Ballysimon, Limerick	WP 05-04	31/12/2009
Bertie Collins trading as B C Waste Management Farranbrien, Minane Bridge, Co. Cork	CK (S) 300/06	17/07/2009
Kinsale Road Landfill South City Link Road, Cork	W0012-02	N/A
Drehid Waste Management Facility Killanagh, Upper Carbury, Co. Kildare	W0201-01	N/A

Appendix C

Permitted collection vehicles to be used in accordance with Condition 3.1

99 KY 291
03 C 5525
04 C 11765
04 C 17965
05 C 13228
05 D 2323
06 C 6103
06 C 11472
06 C 15302
06 C 16534
06 C 16533
07 D 3141
07 C 9261
07 C 27934
95 C 18790
08 C 8785
99 C 28867
01 C 23137
00 KY411
00 C 7113
04 C 22637
05 C 13223
05 C 13227
06 C 16602
06 C 25629
07 C 2978
07 C 29066
07 C 29075
06 C 1304
06 C 1305
05 C 16511
04 C 17188
04 C 19885
01 L 2864
00 C 3684
07 C 8388
89 C 7810
99 D 32441
08 C 21401
08 C 20792

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Appendix B.3.5
Original Waste Collection Permit

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Comhairle Chontae Chorcaí



Comhairle Cathrach Chorcaí

Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT

Permit Register Reference Number CK WMC 234/04

Cork County Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2005, having carried out a review of Waste Collection Permit CK WMC 234/04, [by *Directors Order No.*] hereby issues amended conditions to be attached to the said Waste Collection Permit of:

Country Clean Recycling Ltd. T/A Northside Skips, MK Skips, Cork Mini Skips, Kinsale & District Skip Company, Collins Waste Management.

herein after called the Permit Holder

Of: **Ballywalter, Shanballymore, Mallow, Co. Cork**

subject to the attached schedule of conditions

The attached conditions supersede all previous conditions issued for attachment to the said Waste Collection Permit (CK WMC 234/04). Cork County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. Cork County Council shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

ALL AREAS WITHIN CORK CITY AND CORK COUNTY

Signed:

Louis Duffy, Senior Engineer

Date:

REASON FOR THE DECISION

Cork County Council is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the activity will not cause environmental pollution and the grant of this permit is in accordance with the objectives of the applicable Waste Management Plan and the National Hazardous Waste Management Plan.

In reaching this decision, Cork County Council has considered any information submitted as part of the review process by the permit holder and valid submissions received from the relevant local authorities and other parties.

INTERPRETATION

All terms in this permit should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005 (the Act), and its associated regulations.

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CONDITIONS

1 SCOPE OF PERMIT.

- 1.1 For the avoidance of doubt, any reference to the term permit shall be deemed to include all conditions attached thereto.
- 1.2 The permit holder may collect the wastes specified in condition 1.3 in the functional areas of Cork City and Cork County Council.
- 1.3 The permit holder shall only collect such wastes as have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix A to this permit or such later revision of the said appendix as Cork County Council may issue.
- 1.4 The permit holder shall notify Cork County Council in writing of any proposed changes in the information furnished and shall obtain written approval from Cork County Council prior to these changes occurring.
- 1.5 This permit and any condition imposed therein shall not relieve the permit holder of any statutory obligations under any other enactment whatsoever.
- 1.6 This permit is non-transferable.
- 1.7 The specified retention period for all records referred to herein shall be deemed as 3 years unless otherwise notified by Cork County Council.

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2. MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

2.1 The permit holder shall ensure that where waste collected under this permit is transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies-

- (i) there is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility, or
- (ii) an application for such licence or permit has been made to, and is under consideration by, the Agency or relevant local authority and the activity concerned may be lawfully carried on pending a decision in relation to the said application.

2.2 The permit holder may not transfer waste to a facility under condition 2.1 of this permit unless the waste activity at that facility is authorised under:

- (i) Section 39(1) of the Act, in the case of a facility subject to licensing, or
- (ii) Article 4 of the Waste Management (Permit Regulations), 1998 in the case of an activity specified in Part I or part II of the First Schedule of the said Regulations.

Note: An authorised waste management facility does not include a facility for which a licence/permit has been revoked or a licence/permit has not yet been granted for applications made after the prescribed date.

2.3 The permit holder shall only transfer waste to the facilities that have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix B to this permit or such later revision of the said appendix as Cork County Council may issue and to no other facilities whatsoever.

2.4 If the permit holder proposes to transfer waste to facilities other than those which were previously agreed with Cork County Council, the permit holder shall, a minimum of ten working days prior to use of these facilities, submit the following details in writing for the written agreement of Cork County Council:

- (i) Origin of waste material.
- (ii) Description of waste including European Waste Catalogue (EWC) code.
- (iii) Location, ownership details, and contact number of the facility.
- (iv) Waste permit or license details of the facility.
- (v) Written confirmation from the operator of the facility that the said waste will be accepted there.

2.5 The permit holder shall carry or cause to be carried a complete copy of this permit at all times on each vehicle which is used for the purposes of the activity to which the permit relates.

2.6 The permit holder shall carry or cause to be carried a copy of the latest revision of all appendices issued by Cork County Council at all times on each vehicle which is used for the purposes of the activity to which the permit relates

2.7 The permit holder shall take steps to ensure that all, or a specified proportion of waste collected by the permit holder, or of any class or classes of such waste, is segregated, treated or recovered, in such manner as may be specified by Cork County Council

- 2.8 Where any local authority has made bye-laws under section 35 of the Act the permit holder shall not collect waste in the functional area of the said local authority unless it has been presented in accordance with the requirements of the said bye-laws.
- 2.9 Where waste has been segregated prior to collection in accordance with a bye-law referred to in condition 2.8 or by Regulation, or by any requirement of the applicable waste management plan, the permit holder, if collecting the recyclable fraction of the waste, shall ensure that this fraction is separately collected in its entirety, kept free of contamination, and transferred to a suitable recovery facility in accordance with the said Bye-law, Regulation or Plan. Similarly biodegradable waste if required to be segregated and separately collected shall be transferred to a suitable biodegradable waste treatment facility.
- 2.10 The permit holder shall identify all hazards associated with the waste being collected, and shall be familiar with best practice regarding its safe movement and handling and shall adopt all necessary, reasonable and practicable safety measures accordingly.
- 2.11 The permit holder shall have in place a documented Emergency Response Procedure (ERP), which shall address any emergency incident that may arise. This procedure shall include for an emergency response unit, replacement vehicles, clean-up equipment, etc in order to minimise the effects of the emergency on the environment. The permit holder shall maintain a copy of the ERP at the principal place of business of the permit holder.
- 2.12 The permit holder shall ensure that all operatives employed in the waste collection activity are familiar with the conditions of this permit and the ERP. Procedures required in accordance with this condition shall be documented and maintained at the principal place of business of the permit holder.
- 2.13 The permit holder shall clean up immediately any spillage of waste, which occurs in the course of the collection operation, in a manner, which will not cause environmental pollution. The permit holder shall carry an emergency spillage kit on each vehicle listed in appendix C, at all times, to deal with minor spillages.
- 2.14 The permit holder shall not cause environmental pollution during the course of the waste collection activity to which this permit relates.

3. VEHICLES, SKIPS AND RECEPTACLES.

- 3.1 The permit holder shall only use the vehicles as have been notified in writing to Cork County Council and subsequently agreed, which are listed in Appendix C to this permit or such later revision of the said appendix as Cork County Council may issue, for the purposes of the activity to which this permit relates.
- 3.2 All vehicles used by the permit holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 50 millimetres high :
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder.
 - (iii) The waste collection permit number
- 3.5 Each skip, tanker, trailer or container used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 50 millimetres high:
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder;
 - (iii) A unique identification number for the skip, tanker, trailer or container.
 - (iv) The waste collection permit number
- 3.6 The permit holder shall ensure that skips containing waste are appropriately covered during transit to prevent spillage and litter nuisance.
- 3.7 The permit holder when using a skip for the purposes of the activity to which this permit relates shall require the hirer to enter into a written agreement providing:
- (i) that the hirer shall not allow the placement of hazardous waste in the skip
 - (ii) that only the types of wastes listed in appendix A to this permit may be placed in the skip.
- The permit holder shall maintain copies of all agreements entered into under this condition for the specified retention period.
- 3.8 No skip, tanker, trailer or container used for the purposes of the activity to which this permit relates and which contains waste shall be left in a public place (as defined in the Litter Pollution Acts 1997 to 2003), other than where it

is initially filled, unless it is on or attached to a mechanically propelled vehicle that is in transit to a facility as listed in Appendix B to this permit.

- 3.9 All wheeled bins used for the collection of municipal waste shall comply with standard I.S. EN840 parts 1-6
- 3.10 Wheeled bins for municipal waste (including separately collected fractions) shall be identified with the name, address and telephone number of the permit holder in clearly legible lettering and a unique customer reference number. The permit holder shall supply the name and address of a customer to whom a reference number applies on request. The permit holder shall submit written details of the identification system to Cork County Council for approval on request.
- 3.11 The Permit Holder shall submit all documents specified in the "Documents Required" column of Appendix C for each vehicle listed in the said Appendix on or before the corresponding specified date in that Appendix.
- 3.12 Vehicles covered by this permit shall not be parked overnight at any location other than a licensed or permitted waste facility while carrying waste save with the prior written approval of Cork County Council.

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NOTIFICATION, RECORD KEEPING AND SUBMISSION OF INFORMATION

- 4.1 The permit holder shall notify Cork County Council in relation to any conviction for an offence prescribed under article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The permit holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the occurrence of any incident connected with the activity to which this permit relates that caused or has the potential to cause environmental pollution or a threat to human health. The permit holder shall include as part of the notification the date, time, location and a full description of the incident. The permit holder shall also send a written record of the incident to Cork County Council within 1 week of the incident. This written record of the incident shall include the following information:
- (i) the date, time and location of the incident,
 - (ii) a full description of the incident,
 - (iii) details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
 - (iv) details of steps taken to avoid recurrence of similar incidents.
- 4.3 Permit holders who are not based in the Republic of Ireland shall within 1 month of the date of grant of this permit submit details of a registered service address in the Republic of Ireland
- 4.4 The permit holder shall notify Cork County Council in advance of any proposal to change the structure or rate of fees charged to householders for waste collection services provided.
- 4.5 The permit holder shall have a docket system for recording non- hazardous industrial/commercial and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following (unless otherwise agreed in writing by Cork County Council):
- (i) the name and waste collection permit number of the permit holder
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle
 - (iv) signature and name of the waste producer and address of origin of the waste,

- (v) the local authority area of origin of the waste,
- (vi) Description of waste including European Waste Catalogue (EWC) code.
- (vii) the name, address and licence or permit number of the waste facility to which the consignment of waste will be delivered,
- (viii) quantity of waste delivered to the waste facility in units of tonnes or litres,
- (ix) signature of the vehicle driver, and
- (x) signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility.

4.6 The permit holder shall have a docket system for recording waste from a regular collection round of non-hazardous household and commercial waste producers. One individually numbered docket shall be used per vehicle per day. The docket shall be retained on the vehicle while the waste to which the docket relates is being transported on the vehicle. Each docket shall at a minimum contain the following (unless otherwise agreed in writing by Cork County Council):

- (i) the name and waste collection permit number of the permit holder,
- (ii) date of waste collection,
- (iii) Vehicle Registration Number of the vehicle
- (iv) The area in which the waste originated ,
- (v) The local authority of origin of the waste,
- (vi) Description of waste including European Waste Catalogue (EWC) code.
- (vii) the name, address and licence or permit number of the waste facility or facilities to which the consignment will be delivered,
- (viii) Quantity of waste delivered to the waste facility in units of tonnes or litres
- (ix) signature of the vehicle driver, and
- (x) Signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility.

4.7 Cork County Council may at any time serve a notice on the permit holder specifying the format and layout of dockets which the permit holder shall use

in accordance with condition 4.5 and 4.6 of this permit. The permit holder shall comply with the provisions of any such notice.

- 4.8 The permit holder shall carry the dockets referred to in Conditions 4.5 and 4.6 on the vehicle on which the waste they refer to is carried until control of the waste is transferred to a facility specified in Appendix B of this permit. After that time, the permit holder shall retain the dockets referred to in Conditions 4.5 and 4.6 at the principal place of business of the permit holder for the specified retention period and shall make them available for inspection by an authorised person on demand.
- 4.9 The permit holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.5 and 4.6 maintain up-to-date (or monthly) summaries of the following information in respect of waste collected by the permit holder in each calendar month:
- (i) Local Authority area of Origin of Waste
 - (ii) Waste Source (Commercial, Domestic, Industrial, Agricultural, C&D etc)
 - (iii) Description of waste including European Waste Catalogue (EWC) code indicating whether or not the waste is hazardous
 - (iv) Quantity of each waste type collected in tonnes or litres
 - (v) The name, address and licence or permit number of the waste facility or facilities to which waste was delivered by the permit holder,
 - (vi) Country of destination (if abroad)
 - (vii) The nature of the activity carried on each waste facility to which waste was delivered by the permit holder (i.e. Disposal or recovery or transfer station)
 - (viii) The total number of households provided with waste collection by the permit holder
 - (ix) The number of households provided with kerbside dry recyclable waste collection by the permit holder
 - (x) The number of households provided with a kerbside biodegradable waste collection by the permit holder
 - (xi) The number of households provided with 'pay-by-use' waste collection by the permit holder.
 - (xii) The number of households, which avail of the Pay-By-Use waste collection service provided by the permit holder, showing clearly the extent of savings made by each as a result of reducing the waste presented.
- 4.10 The records maintained by the permit holder in accordance with condition 4.9 shall be kept at the address of the principal place of business for the specified retention period and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.
- 4.11 The permit holder shall, not later than 28th February in each year furnish to Cork County Council an Annual Report (AR) in respect of waste collection activities carried out by the permit holder in the preceding calendar year. The

AR shall be a summary of the records maintained under condition 4.5 and condition 4.6 of the permit. The AR shall contain the following information, in summary form, in respect of waste collected by the permit holder in the preceding calendar year:

- (i) Local Authority area of Origin of Waste
- (ii) Waste Source (Commercial, Domestic, Industrial, Agricultural, C&D etc)
- (iii) EWC Codes, indicating whether or not the waste is hazardous
- (iv) Waste Description
- (v) Quantity of each waste type collected (in tonnes)
- (vi) Destination of waste (ie. facility name and address)
- (vii) Waste licence or waste permit register number of facilities to which waste is delivered
- (viii) Country of destination (if exported abroad for treatment)
- (ix) the nature of the activity carried on at the waste facility to which waste is delivered (ie. Disposal or recovery)
- (x) The total number of households from which the permit holder collected waste
- (xi) The number of households provided with kerbside dry recyclable waste collection by the permit holder and number who availed of it each month.
- (xii) The number of households provided with a biodegradable kerbside waste collection by the permit holder
- (xiii) Copy of current Insurance Policy Certificates as outlined in Condition 5.3
- (xiv) Any impositions or convictions imposed as outlined in Condition 4.1
- (xv) Details of any reportable incidents as outlined Condition 4.2
- (xvi) Details of any loads rejected at a facility
- (xvii) Details of any non-compliances with the conditions of the permit

The information specified above shall be filled on the annual report form which is available on the Cork County Council website at the following internet address www.corkcoco.ie.

The completed form shall be submitted by the 28th February each year in respect of the preceding calendar year to Cork County Council by e-mail to wcpstats@corkcoco.ie, or posted to Cork County Council on a 3 1/2" computer diskette or CD, unless otherwise agreed in writing with Cork County Council.

- 4.12 A copy of all correspondence sent to and received from Cork County Council regarding this waste collection permit shall be kept at the address of the principal place of business for the specified retention period following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.
- 4.13 The permit holder shall at his principal place of business for the specified retention period maintain a list of the name and address of each waste producer and waste facility from which the permit holder collects waste for inspection by an authorised person.
- 4.14 All written communication from the permit holder to Cork County Council shall be addressed to the following address:
- Environment Department,
Cork County Council,
Inniscarra,
Co. Cork.**
- 4.15 Where Cork County Council notifies the Permit Holder of a proposal to review this permit, the Permit Holder shall submit such information as may be requested in the said notice within the stated time frame.
- 4.16 The permit holder shall maintain records of training for all personnel involved in the waste collection activity as evidence of compliance with Condition 2.12 at the principal place of business for the specified retention period.
- 4.17 The permit holder shall submit written information on any aspect of the permit activity as may be requested by Cork County Council within such timeframe as may be specified in the request.

5. CHARGES AND FINANCIAL PROVISIONS.

- 5.1 The permit holder shall pay to Cork County Council:
- (i) the cost of any investigations carried out or caused to be carried out by the local authority so as to enable it properly to decide on an application, or
 - (ii) any costs incurred by the local authority for the purpose of ensuring compliance by the holder of a permit with the requirements of the said permit, including the cost of any inspections, audits or investigations carried out or caused to be carried out by the local authority, and the taking and analysis of any sample.
- 5.2 The permit holder shall effect and maintain an appropriate and adequate policy of insurance in respect of vehicles used for the purposes of, and liabilities arising from, the waste collection activity, including employer's liability and public liability as relevant.
- 5.3 The minimum acceptable level of indemnity is €6,400,000 for Public Liability Insurance and €3,800,000 for third party property damage on Motor Insurance and €12,800,000 for Employers Liability. The Permit Holder shall submit evidence of acceptable level of indemnity for Public Liability Insurance, Third Party Property Damage on Motor Insurance and Employers Liability to Cork County Council by 11 November 2006.

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6. CONDITIONS SPECIFIC TO WASTE TYPES

6.1 COMMERCIAL AND INDUSTRIAL WASTE

- 6.1.1 Within 1 month of the date of grant of this permit, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Cork County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from commercial and industrial premises. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.1.2 Source separated waste shall not be mixed during collection.
- 6.1.3 The Permit Holder shall not collect materials containing hazardous waste, unless specifically permitted in accordance with Condition 1.3 and as listed in Appendix A.
- 6.1.4 The permit holder shall provide separate receptacles for packaging waste which have been segregated in accordance with the Waste Management (Packaging) Regulations, 2003 or as amended.
- 6.1.5 The permit holder shall not collect packaging waste for disposal from a producer, without first receiving a written declaration as required under article 27(b) of the Waste Management (Packaging) Regulations 2003 or as amended.
- 6.1.6 The permit holder shall notify the local authority in advance, within a period of not less than one month, of any proposal to alter/extend the range of dry recyclable materials for separate collection under 6.1.1 above.

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6.2 CONSTRUCTION AND DEMOLITION WASTE

- 6.2.1 The permit holder shall take measures to ensure compliance with National targets for the recovery, recycling and re-use of construction and demolition wastes.
- 6.2.2 Construction and demolition waste, where technically and economically feasible, shall be source segregated and transported for recovery, recycling or reuse.
- 6.2.3 The permit holder shall not mix source separated construction and demolition wastes during collection and transport.
- 6.2.4 The permit holder shall damp down dry or dusty wastes prior to transport.
- 6.2.5 The permit holder shall ensure that no waste is deposited on the public road during the collection and transportation of the waste.
- 6.2.6 The permit holder shall not collect soil and stones containing hydrocarbons or dangerous substances unless specifically permitted in accordance with condition 1.3 and as listed in Appendix A.
- 6.2.7 The permit holder shall ensure that no pollutants or other waste types are allowed to contaminate loads destined for recovery, recycling or reuse. The permit holder shall transfer contaminated loads to appropriate licensed / permitted facilities where segregation / treatment can be carried out.
- 6.2.8 Collection of construction and demolition wastes that are hazardous in nature is additionally subject to the conditions specified for Hazardous Wastes

6.3 DOMESTIC WASTE

- 6.3.1 The permit holder shall provide and maintain a separate system for kerbside collection of dry recyclables from all households serviced by the permit holder. The permit holder shall ensure that the said system is in operation on or before the 23rd of November 2006 and continued thereafter for the duration of the permitted activity.
- 6.3.2 The separate system of kerbside collection of dry recyclables shall provide for maximizing the extent of material recycling and shall comply with national policy and any direction as may be issued by Cork County Council.
- 6.3.3 The Permit Holder shall operate a system of "Pay by Use" for all households serviced within Cork County and City in accordance with National Policy. The permit holder shall ensure that the said system is in operation on or before the 23rd of November 2006 and continued thereafter for the duration of the permitted activity The system shall be amended as required in writing by Cork County Council.

- 6.3.4 By 23rd November 2006, the Permit Holder shall notify all householders of the Pay by Use and Kerbside Dry Recyclables system that the Permit Holder operates in accordance with Conditions 6.3.1 and 6.3.3.
- 6.3.5 By 23rd November 2006, the Permit Holder shall publish, in a newspaper that circulates in the area of collection, details of the Pay-By-Use and Kerbside Dry Recyclables system, which the Permit Holder operates in accordance with Condition 6.3.1 and 6.3.3 and how customers can avail of the services.
- 6.3.6 The Permit Holder shall notify Cork County Council and all persons availing of their domestic waste collection activities of the frequency of collection and, a minimum of 10 working days in advance of any alternative arrangements made for collection in relation to public holidays etc., or of any proposal to cease or reduce the level of collection.
- 6.3.7 The permit holder shall implement an education and awareness programme by 23rd November 2006. The Permit Holder shall submit details of the programme by 11th November 2006, for agreement with Cork County Council. The programme shall include, unless otherwise agreed with the Cork County Council:
- (i) Timetable for implementation of the education and awareness programme.
 - (ii) Details of mail-shots and leaflet drops.
 - (iii) Details of newspaper advertisements.
 - (iv) Details of a customer help-line including details of staff training.
 - (v) Procedures for rejected/contaminated materials.
 - (vi) Details of national policies and regulations in respect of reduction, recycling and recovery.
 - (vii) The permit holder shall send a copy of all promotional material to Cork County Council c/o Environment Department, Inniscarra, Co. Cork.

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6.4 END OF LIFE VEHICLES

- 6.4.1 The permit holder shall ensure that all vehicles used for the collection and transportation of end-of-life vehicles (ELVs) shall be of such design to prevent spillage and leakage of end of life vehicle fluids and in any event carry adequate stocks of spill kits (including oil absorbent materials, pillows and blankets) to deal with any spillage's of end of life vehicle fluids that may occur during transport.
- 6.4.2 The permit holder is prohibited from collecting ELVs in a waste collection vehicle with other metal waste
- 6.4.3 The permit holder shall only use tow trucks to transport ELVs that are intact and not leaking liquids or hazardous fluids and which have not been crushed or baled.
- 6.4.4 The permit holder shall obtain a Certificate of Destruction for each vehicle, which is delivered to an end of life vehicle disposal/ recovery facility. This Certificate of Destruction shall be issued by the facility in accordance with the provisions of Article 5.3 of Council Directive 2000/53/EC. A copy of this Certificate shall be retained at the principal place of business of the permit holder for a period of three years.
- 6.4.5 The permit holder shall ensure that all vehicles used for the collection and transportation of ELVs shall carry an adequate number of fire extinguishers to deal with any fires that may occur during transport. Any fire shall be treated as an incident and reported as per condition 4.2

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6.5 HAZARDOUS WASTE (note includes waste asbestos, waste batteries, healthcare wastes)

- 6.5.1 The permit holder is only permitted to deliver hazardous wastes to facilities that have been notified to Cork County Council and which were subsequently agreed, and to no other facilities whatsoever, subject to condition 2.3 and as listed in Appendix B.
- 6.5.2 In addition to the normal labelling requirements under relevant legislation (e.g. ADR, Carriage of Dangerous Goods by Road Regulations etc.), all receptacles used for the collection of hazardous waste shall be clearly identified as containing hazardous waste.
- 6.5.3 The Permit Holder shall keep in the collection vehicle a list of hazardous wastes that may be accepted at specified licensed or permitted facilities including a copy of the written consent obtained from the permitted or licence facility.
- 6.5.4 The Permit holder shall put in place a backup plan (called the rejection procedure) to deal with an event that a hazardous waste load is rejected at a facility listed in Appendix B. The rejection procedure detailed in the Hazardous Waste Collectors C1 Form provides for a rejected load to be returned to its point of origin. Any load of hazardous waste that is rejected shall be treated as an incident and reported as per condition 4.2
- 6.5.5 If vehicles are to be used for the collection of any other waste types, they shall be decontaminated prior to use.
- 6.5.6 All vehicles used for the collection and transport of hazardous material shall be clean, dry and residue-free prior to commencement of loading of any new consignment of Hazardous Waste.
- 6.5.7 The permit holder is not permitted to collect asbestos

6.6 INCINERATION WASTE

The Permit Holder is not permitted to collect these waste types under the Waste Management (Collection Permit) Regulations 2001.

6.7 SLUDGES / SLURRIES AND SEPTIC TANK WASTE

- 6.7.1 For the purpose of this condition the term landbank shall mean lands used for spreading or treating waste with a consequential benefit for an agricultural activity or ecological system
- 6.7.2 The permit holder shall spread waste only on the landbanks notified to Cork County Council and which were subsequently agreed and to no other landbanks whatsoever, subject to condition 2.3 and as listed in Appendix B
- 6.7.3 The permit holder shall ensure where wastes collected originate from an Integrated Pollution Prevention and Control (IPPC) licensed facility the waste shall be transported to appropriate facilities as governed under the IPPC licence.
- 6.7.4 The permit holder shall ensure that the spreading of sludge on lands, which are exempt from the requirement to hold a waste licence under section 39 of the Waste Management Act, 1996 to 2005 by virtue of section 51(2)(a) of the Act, is carried out in accordance with a Nutrient Management Plan specific to those lands. The Nutrient Management Plan shall comply with the Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 (S.I. No.148 of 1998), the Waste Management (Use of Sewage Sludge in Agriculture)(Amendment) Regulations, 2001 (S.I. No. 267 of 2001), the EPA code of practice for the application of organic waste to land, and "Good Farm Practice", published by the Department of Agriculture, Food and Rural Development (2001), and "Nutrient and Trace Element Advice for Grassland, Tillage, Vegetable and Fruit Crops", published by Teagasc 2004.
- 6.7.5 The permit holder shall be familiar with the requirement placed on holders of waste arising from any bye-laws made under Section 21 of the Local Government (Water Pollution) Act, 1990 by the local authorities in whose area a disposal / recovery activity is being carried out and shall keep a copy of all such bye-laws at the address of the principal place of business
- 6.7.6 Where bye-laws referred to in condition 6.7.5 have been made by Cork County Council the permit holder shall not spread waste on the lands unless it is in accordance with the requirements of the bye-laws in force in the local authority concerned.

6.8 WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

6.8.1 Where Waste Electrical and Electronic Equipment (WEEE) collected by the permit holder is of a hazardous nature as defined in the European Waste Catalogue (EWC), the permit holder shall adhere to the special conditions relating to collection of hazardous waste.

6.8.2 WEEE shall only be collected, handled, transported and stored in a manner so as to avoid damage that would prevent equipment or components from being reused, recycled or recovered.

6.8.3 The permit holder shall not crush hazardous WEEE or remove hazardous substances and components prior to treatment and de-pollution.

6.9 WASTE OILS

The Permit Holder is not permitted to collect these waste types under the Waste Management (Collection Permit) Regulations 2001.

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Appendix A

Permitted waste types in accordance with Condition 1.3.

02 01 04	waste plastics (except packaging)
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
04 02 22	wastes processed textile fibres
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 06	mixed packaging
15 01 07	glass packaging
16 01 03	end-of-life tyres
16 01 20	glass
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 01 07	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05 04	soil and stones other than those mentioned in 17 05 03
17 08 02	gypsum
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 03	non-ferrous metals
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 02 01	biodegradable waste
20 02 02	soil and stone
20 03 01	mixed municipal waste
20 03 07	bulky waste
20 01 27*	paints, inks, adhesives and resins containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
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 ⁽²¹⁾
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

Appendix B

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

Facility – Name and Address	Permit/License Number
Country Clean Recycling Ltd Churchfield Industrial Estate, John F Connolly Road, Cork	04/04
Greenstar Recycling (Munster) Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	EPA No. 136-2
Glyntown Enterprises Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	CK (S) 167/04
Clearpoint Recycling Mill River Business Park, Carrick On Suir, Co. Tipperary	WM/WP18/03
Gortadroma Landfill Site Gortadroma, Ballyhahill, Co. Limerick	EPA No.17-3
Cork Metal Company, Dublin Hill, Cork	CK (S) 204/05
AVR Safeway Corrin, Fermoy, Co. Cork	EPA No. 50-1
Returnbatt Ltd Old Mill Industrial Estate Kill, Co. Kildare	97/2002
National Recycling Ltd., John F. Connolly Road, Cork	WP 1462/04
CTO Environmental Solutions, Rostellan, Middleton, Co. Cork	CK (S) 165/04
Ted O'Donoughue and Sons Ltd, Waterfall, Co. Cork	WL 00214-01

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Appendix C

Permitted collection vehicles to be used in accordance with Condition 3.1

Vehicle Reg No.	Document Required	Specified Date
06 C 15302	N/A	N/A
06 C 16534	N/A	N/A
06 C 11472	N/A	N/A
06 C 6103	N/A	N/A
05 D 2323	N/A	N/A
01 C 23137	N/A	N/A
99 C 26733	N/A	N/A
99 C 28867	N/A	N/A
94 C 16601	VLC Required in the name of the permit holder	23 rd Nov 2006
97 C 23064	N/A	N/A
99 KY 291	N/A	N/A
00 C 8379	N/A	N/A
00 C 8380	N/A	N/A
02 C 14148	N/A	N/A
05 C 13227	N/A	N/A
05 C 13223	N/A	N/A
03 C 5525	N/A	N/A
03 C 6193	N/A	N/A
04 C 11765	N/A	N/A
04 C 17965	N/A	N/A
04 C 724	N/A	N/A
05 C 13228	N/A	N/A
01 C 23137	VLC Required in the name of the permit holder	23 rd Nov 2006
96 C 17220	N/A	N/A
00 C 7113	N/A	N/A
00 C 6026	N/A	N/A
04 C 22637	N/A	N/A
06C16602	N/A	N/A
03D 2005	N/A	N/A
06C16533	N/A	N/A
06 D 76026	N/A	N/A

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Appendix B.3.6
Amendment to Waste Permit
Revised Appendices A & B, Issue 3



Comhairle Chontae Chorcaí
Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT (Revised Appendices A & B, Issue 3)

CK WMC 234/04, Revision 1

Cork County Council being a nominated authority under Section 34(1)(a), (of the Waste Management Act, 1996 to 2005, hereby issues the attached Revised Appendices A & B, Issue 3 to be attached to the present Waste Collection Permit granted to

Country Clean Recycling Ltd.,

Here in after called the permit holder

Or

Shanballymore, Mallow, Co. Cork

The attached Revised Appendices A & B, Issue 3 shall supersede all previous issues of Appendices A & B with effect from _____

I. Revised Appendix A, Issue 3 includes the additional waste codes:

17 04 05 iron & steel
17 01 01 concrete

II. Revised Appendix B, Issue 3 includes the additional waste facility:

Crossmore Transport Ltd

CK (N) 250/05

**ENVIRONMENT DEPARTMENT
CORK COUNTY COUNCIL
INNISCARRA**

CORK

Signed: _____

Dated this _____ day of _____ 200__

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Appendix A, Issue 3

Permitted waste types in accordance with Condition 1.3.

02 01 04	waste plastics (except packaging)
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
04 02 22	wastes processed textile fibres
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 06	mixed packaging
15 01 07	glass packaging
16 01 03	end-of-life tyres
16 01 20	glass
17 01 01	concrete
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 04 05	Iron & Steel
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 01 07	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05 04	soil and stones other than those mentioned in 17 05 03
17 08 02	gypsum
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 03	non-ferrous metals
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 02 01	biodegradable waste
20 02 02	soil and stone
20 03 01	mixed municipal waste
20 03 07	bulky waste
20 01 27*	paints, inks, adhesives and resins containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
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 ⁽²¹⁾
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

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Appendix B, Issue 3

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

Facility – Name and Address	Permit/License Number	Expiry Date
Country Clean Recycling Ltd Churchfield Industrial Estate, John F Connolly Road, Cork	04/04	
Greenstar Recycling (Munster) Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	EPA No. 136-2	
Glyntown Enterprises Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	CK (S) 167/04	18/11/07
Clearpoint Recycling Mill River Business Park, Carrick On Suir, Co. Tipperary	WM/WP18/03	
Gortadroma Landfill Site Gortadroma, Ballyhahill, Co. Limerick	EPA No.17-3	
Cork Metal Company, Dublin Hill, Cork	CK (S) 204/05	21/04/08
AVR Safeway Corrin, Fermoy, Co. Cork	EPA No. 50-1	
Returnbatt Ltd Old Mill Industrial Estate Kill, Co. Kildare	97/2002	
National Recycling Ltd., John F. Connolly Road, Cork	WP 1462/04	
Ted O'Donoghue and Sons Ltd, Waterfall, Co. Cork	WL 00214-01	
Killarney Waste disposal Ltd, Aughacureen, Killarney, Co. Cork	WO 21701	
Hegarty Metals Processors Ltd, Ballysimon, Limerick	WP 05-04	
Issue 3		
Crossmore Transport Ltd, Rockmills, Kildorrey, Co. Cork	CK(N) 368/06	17/11/2008

Appendix B.3.7
Amendment Waste Permit
Revised Appendices B & C Issue 4

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Comhairle Chontae Chorcaí
Waste Management (Collection Permit) Regulations, 2001

**WASTE COLLECTION PERMIT
(Revised Appendices B & C, Issue 4)**

CK WMC 234/04, Revision 1

Cork County Council being a nominated authority under Section 34(1)(a), (of the Waste Management Act, 1996 to 2005, hereby issues the attached Revised Appendices B & C, Issue 4 to be attached to the present Waste Collection Permit granted to

Country Clean Recycling Ltd.,

hereinafter called the permit holder

Of

**Shanballymore,
Mallow, Co. Cork**

The attached Revised Appendices B & C, Issue 4 shall supersede all previous issues of Appendices A & B with effect from _____

III. Revised Appendix B, Issue 4 includes the additional waste facility:

Veolia Environmental Services Ireland Ltd CK (S) 292/06

IV. Revised Appendix C, Issue 4 includes the additional vehicles:

**02 D 84199
06 D 60833
02 D 82190**

**ENVIRONMENT DEPARTMENT
CORK COUNTY COUNCIL
INNISCARRA**

CORK

Signed: _____

Dated this _____ day of _____ 200__

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Appendix B, Issue 4

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

Facility – Name and Address	Permit/License Number	Expiry Date
Country Clean Recycling Ltd Churchfield Industrial Estate, John F Connolly Road, Cork	04/04	
Greenstar Recycling (Munster) Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	EPA No. 136-2	
Glyntown Enterprises Ltd Sarsfield Court Industrial Estate, Glanmire, Co.Cork	CK (S) 167/04	18/11/07
Clearpoint Recycling Mill River Business Park, Carrick On Suir, Co. Tipperary	WM/WP18/03	
Gortadroma Landfill Site Gortadroma, Ballyhahill, Co. Limerick	EPA No.17-3	
Cork Metal Company, Dublin Hill, Cork	CK (S) 204/05	21/04/08
AVR Safeway Corrin, Fermoy, Co. Cork	EPA No. 50-1	
Returnbatt Ltd Old Mill Industrial Estate Kill, Co. Kildare	97/2002	
National Recycling Ltd., John F. Connolly Road, Cork	WP 1462/04	
Ted O'Donoughue and Sons Ltd Waterfall, Co. Cork	WL 00214-01	
Killarney Waste disposal Ltd, Aughacureen, Killarney, Co. Cork	WO 21701	
Hegarty Metals Processors Ltd, Ballysimon, Limerick	WP 05-04	07/12/09
Crossmore Transport Ltd, Rockmills, Kildorrey, Co. Cork	CK(N) 368/06	17/11/2008
Issue 4		
Veolia Environmental Services Ireland Ltd, Unit 4, Brooklodge Business Pk, Glanmire, Co. Cork	CK (S) 292/06	30/03/09

Appendix C, Issue 4

Permitted collection vehicles to be used in accordance with Condition 3.1

Vehicle Reg No.
06 C 15302
06 C 16534
06 C 11472
06 C 6103
05 D 2323
01 C 23137
99 C 26733
99 C 28867
97 C 23064
99 KY 291
00 C 8379
00 C 8380
02 C 14148
05 C 13227
05 C 13223
03 C 5525
03 C 6193
04 C 11765
04 C 17965
04 C 724
05 C 13228
01 C 23137
96 C 17220
00 C 7113
00 C 6026
04 C 22637
06C16602
03D 2005
06C16533
05 D 39245

Consent of copyright owner required for any other use.

For inspection purposes only.
Consent of copyright owner required for any other use.

Appendix B.3.8
Amendment to Waste Permit
Revised Appendices C Issue 5



Comhairle Chontae Chorcaí
Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT (Revised Appendices C, Issue 5)

CK WMC 234/04, Revision 1

Cork County Council being a nominated authority under Section 34(1)(a), (of the Waste Management Act, 1996 to 2005, hereby issues the attached Revised Appendix C, Issue 5 to be attached to the present Waste Collection Permit granted to

Country Clean Recycling Ltd.,

hereinafter called the permit holder

**Shanballymore,
Mallow, Co. Cork**

The attached Revised Appendix C, Issue 5 shall supersede all previous issues of Appendix C with effect from _____

V. Revised Appendix C, Issue 5 includes the additional vehicles:

**07 C 27934
07 C 29066**

Environment Department

CORK COUNTY COUNCIL

Inniscarra

Cork

Signed: _____

Dated this _____ day of _____ 200__

Appendix C, Issue 5

Permitted collection vehicles to be used in accordance with Condition 3.1

Vehicle Reg No.
06 C 15302
06 C 16534
06 C 11472
06 C 6103
05 D 2323
01 C 23137
99 C 26733
99 C 28867
97 C 23064
99 KY 291
00 C 8379
00 C 8380
02 C 14148
05 C 13227
05 C 13223
03 C 5525
03 C 6193
04 C 11765
04 C 17965
04 C 724
05 C 13228
01 C 23137
96 C 17220
00 C 7113
00 C 6026
04 C 22637
06C16602
03D 2005
06C16533
05 D 39245
06 C 25629

Consent of Copyright was required for any other use.
For business purposes only.

06 C 1304
06 C1305
05 16511
04C17188
04C19885
01L2864
00C3684
98 D 56915
00 D 99002
06 D 76026
07 C 9261
00 KY 411
02 D 84199 Lease Expires 02/12/07
06 D 60833 Lease Expires 01/12/07
02 D 82190 Lease Expires 05/01/08
Issue 5
07 C 27934
07 C 29066

Consent to publish for inspection purposes only.
Right owner provided for any other use.

Appendix B.3.9
Waste Collection Permit Cork County Council

*For inspection purposes only. No other use.
Consent of copyright owner required for any other use.*

Appendix B.3.9
Waste Collection Permit Kilkenny County Council

For inspection purposes only.
Consent of copyright owner required for any other use.

Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT

Permit Register Reference Number WCP/KK/328(A)/07

Kilkenny County Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2003, having carried out a review of waste collection permit **WCP/KK/328/06**, has granted an amended waste collection permit to:

Country Clean Recycling Ltd

(Applicant Name, Trade Name(s)) herein after called the Permit Holder:

Of:

**Shanballymore
Mallow
Co. Cork**

subject to the attached schedule of conditions

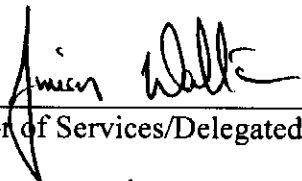
This waste collection permit and attached conditions supersedes the previous waste collection permit WCP/KK/328/06.

Kilkenny County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. **Kilkenny County Council** shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

**South Tipperary County Council
Waterford County Council
Kilkenny County Council
Carlow County Council
Wexford County Council
Waterford City Council**

Signed:



Director of Services/Delegated Officer.

Date:

8th Oct., 2007.

2 MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

- 2.1 The permit holder shall ensure that where waste collected under this permit is transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies-
- (i) there is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility, or
 - (ii) an application for such licence or permit has been made to, and is under consideration by, the Agency or relevant local authority and the activity concerned may be lawfully carried on pending a decision in relation to the said application.
- 2.2 The permit holder may not transfer waste to a facility under condition 2.1 of this permit unless the waste activity at that facility is authorised under:
- (i) Section 39(1) of the Act, in the case of a facility subject to licensing, or
 - (ii) Article 4 of the Waste Management (Permit Regulations), 1998 in the case of an activity specified in Part I or part II of the First Schedule of the said Regulations.
- Note: An authorised waste management facility does not include a facility for which a licence/permit has been revoked or a licence/permit has not yet been granted for applications made after the prescribed date.
- 2.3 The permit holder shall only transfer waste to the facilities that have been notified in writing to Kilkenny County Council and subsequently agreed, which are listed in **Appendix B** to this permit or such later revision of the said appendix as Kilkenny County Council may issue and to no other facilities whatsoever.
- 2.4 If the permit holder proposes to transfer waste to facilities other than those which were previously agreed with Kilkenny County Council, the permit holder shall, a minimum of ten working days prior to use of these facilities, submit the following details in writing for the written agreement of Kilkenny County Council:
- (i) Origin of waste material.
 - (ii) Description of waste including European Waste Catalogue (EWC) code.
 - (iii) Location, ownership details, and contact number of the facility.
 - (iv) Waste permit or license details of the facility.
 - (v) Written confirmation from the operator of the facility that the said waste will be accepted there.
- 2.5 The permit holder shall carry or cause to be carried a copy of this permit at all times on each vehicle which is used for the purposes of the activity to which the permit relates.

3. VEHICLES, SKIPS AND RECEPTACLES.

- 3.1 The permit holder shall only use the vehicles as have been notified in writing to Kilkenny County Council and subsequently agreed, which are listed in Appendix C to this permit or such later revision of the said appendix as Kilkenny County Council may issue, for the purposes of the activity to which this permit relates. Should the permit holder hire/lease any vehicles for activities to which the permit relates, a lease agreement should be in place between the permit holder and the hire company/leaser or other agent and made available to Kilkenny County Council for consideration, prior to such vehicle(s) being attached to Appendix C of the waste collection permit. Where the permit holder hires/leases vehicles from a hire company/leaser or other agent and the employee(s) of this company operate the vehicle(s), then, that hire company/leaser or other agent must hold a valid waste collection permit.
- 3.2 All vehicles used by the permit holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder.
- 3.5 Each skip, tanker, trailer or container used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder;
 - (iii) A unique identification number for the skip, tanker, trailer or container.
- 3.6 The permit holder shall ensure that skips containing waste are appropriately covered during transit to prevent spillage and litter nuisance.
- 3.7 The permit holder when using a skip for the purposes of the activity to which this permit relates shall provide the hirer, with a written agreement detailing:

4. NOTIFICATION AND RECORD KEEPING

- 4.1 The permit holder shall notify Kilkenny County Council in relation to any conviction for an offence prescribed under article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The permit holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the occurrence of any incident connected with the activity to which this permit relates that caused or has the potential to cause environmental pollution or a threat to human health. The permit holder shall include as part of the notification the date, time, location and a full description of the incident. The permit holder shall also send a written record of the incident to **Kilkenny County Council** within 1 week of the incident. This written record of the incident shall include the following information:
- (i) the date, time and location of the incident,
 - (ii) a full description of the incident,
 - (iii) details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
 - (iv) details of steps taken to avoid recurrence of similar incidents.
- 4.3 Permit holders who are not based in the Republic of Ireland shall within 1 month of the date of grant of this permit submit details of a registered service address in the Republic of Ireland.
- 4.4 The permit holder shall notify Kilkenny County Council in advance of any proposal to increase the level of fees charged to householders for waste collection services provided.
- 4.5 The permit holder shall have a docket system for recording non-hazardous industrial/commercial and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following:
- (i) the name and waste collection permit number of the permit holder
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle

- 4.7 **Kilkenny County Council** may at any time serve a notice on the permit holder specifying the format and layout of dockets which the permit holder shall use in accordance with condition 4.4 and 4.5 of this permit. The permit holder shall comply with the provisions of any such notice.
- 4.8 The permit holder shall carry the dockets referred to in Conditions 4.4 and 4.5 on the vehicle on which the waste they refer to is carried until control of the waste is transferred to a facility specified in Appendix B of this permit. After that time, the permit holder shall retain the dockets referred to in Conditions 4.4 and 4.5 at the principal place of business of the permit holder for a period of three years and shall be made available for inspection by an authorised person.
- 4.9 The permit holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.4 and 4.5 maintain up-to-date (or monthly) summaries of the following information in respect of waste collected by the permit holder in each calendar month:
- (i) Local Authority area of Origin of Waste
 - (ii) Point of collection
 - (iii) Description of waste including European Waste Catalogue (EWC) code. indicating whether or not the waste is hazardous
 - (iv) Quantity of each waste type collected in tonnes or litres
 - (v) the name, address and licence or permit number of the waste facility or facilities to which waste was delivered by the permit holder,
 - (vi) (viii) Country of destination (if abroad)
 - (vii) the nature of the activity carried on each waste facility to which waste was delivered by the permit holder (i.e. Disposal or recovery or transfer station)
 - (viii) The total number of households provided with waste collection by the permit holder
 - (ix) The number of households provided with kerbside dry recyclable waste collection by the permit holder
 - (x) The number of households provided with a biodegradable kerbside waste collection by the permit holder
 - (xi) The number of households provided with 'pay-by-use' waste collection by the permit holder
- 4.10 The records maintained by the permit holder in accordance with condition 4.8 shall be kept at the address of the principal place of business for at least three years and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.

- 4.12 A copy of all correspondence sent to and received from **Kilkenny County Council** regarding this waste collection permit shall be kept at the address of the principal place of business for at least three years following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.
- 4.13 The permit holder shall at his principal place of business for at least three years maintain a list of the name and address of each waste producer and waste facility from which the permit holder collects waste for inspection by an authorised person.
- 4.14 All communications from the permit holder to Kilkenny County Council shall be addressed in writing by the permit holder to the following address: Director of Services, Environment Section, Kilkenny County Council, County Hall, John Street, Kilkenny. This condition does not apply in respect of the Annual Report as described in Condition 4.10.

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6. CONDITIONS SPECIFIC TO WASTE TYPES

6.1 COMMERCIAL AND INDUSTRIAL WASTE

6.1.1 Within three months of the date of grant of this permit, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Kilkenny County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from commercial and industrial premises. Any agreed program shall be implemented within three months following the date of agreement.

6.1.2 Within three months of the provision of suitable facilities for the treatment of the biodegradable fraction of municipal waste, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Kilkenny County Council for the implementation and maintenance of a separate system for kerbside collection of biodegradable waste from commercial and industrial premises. Any agreed program shall be implemented within three months following the date of agreement.

6.1.3 Source separated waste shall not be mixed during collection.

6.1.4 The Permit Holder shall not collect materials containing hazardous waste, unless specifically permitted in accordance with Condition 1.2 and as listed in Appendix A. Where source segregation has not taken place, each waste load collected shall be treated as hazardous waste.

6.1.5 The permit holder shall provide separate receptacles for packaging waste which have been segregated in accordance with the Waste Management (Packaging) Regulations, 2003 or as amended.

- 6.3.3 The permit holder shall notify Kilkenny County Council and all persons availing of their domestic waste collection activities of the frequency of collection and, a minimum of 10 working days in advance of any alternative arrangements made for collection in relation to public holidays etc., or of any proposal to cease or reduce the level of collection.
- 6.3.4 The permit holder shall implement an education and awareness programme. The programme shall be agreed with Kilkenny County Council within three months of receiving the waste collection permit. The programme shall include, unless otherwise agreed with the Kilkenny County Council:
- (i) Timetable for implementation of the education and awareness programme.
 - (ii) Details of mail-shots and leaflet drops.
 - (iii) Details of newspaper advertisements.
 - (iv) Details of a customer help-line including details of staff training.
 - (v) Procedures for rejected/contaminated materials.
 - (vi) Any agreed program shall be implemented within three months following the date of agreement.
 - (vii) The permit holder shall send a copy of all promotional material to the Kilkenny County Council, Environment Section, County Hall, John Street, Kilkenny.
- 6.3.5 Any permit holder collecting waste in bags must ensure that all bags clearly identify the name of the waste collection company.

APPENDIX B

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

1. Glyntown Enterprises Ltd., Sarsfield Court Industrial Estate, Glanmire, Co. Cork. Waste Permit 11/01
2. Clearpoint Ltd, Ballylynch, Carrick on Suir, Co. Tipperary. Waste Permit – WM/WP/11/04
3. Greenstar Munster, Sarsfield Court Industrial Estate, Glanmire, Co. Cork. Waste Permit 136-2
4. Limerick County Council, Gortadroma Landfill, Ballyhahill, Co. Limerick. Waste License 17-2
5. Country Clean Recycling, Churchfield Industrial Estate, Co. Cork. Waste Permit – WP04/04

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Appendix B.3.10
Waste Collection Permit Wicklow County Council

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Comhairle Chontae Chill Mhantain

Wicklow County Council

Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT

Permit Register Reference Number WCP/WW/511/07A

WICKLOW County Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2005, has [by Manager's Order Ref. No.750/07] granted a waste collection permit to:

Country Clean Recycling Ltd., herein after called the Permit Holder of:
Ballywalter, Shanballymore, Mallow, Co. Cork, subject to the attached schedule of conditions.

Wicklow County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. Wicklow County Council shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

ALL AREAS WITHIN COUNTY WICKLOW

Signed:



BRYAN DOYLE
DIRECTOR OF SERVICES,
WATER & ENVIRONMENTAL SERVICES.

Date: 16th OCTOBER, 2007.

REASON FOR THE DECISION

WICKLOW County Council is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the activity will not cause environmental pollution and the grant of this permit is in accordance with the objectives of the County Wicklow Waste Management Plan and the National Hazardous Waste Management Plan.

In reaching this decision, Wicklow County Council has considered the application and supporting documentation received from the applicant and valid submissions received from the relevant local authorities and other parties.

INTERPRETATION

All terms in this permit should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005 (the Act), and its associated regulations.

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CONDITIONS

1 SCOPE OF PERMIT.

- 1.1 The permit holder may collect the wastes specified in condition 1.2 in the local authority area of County Wicklow.
- 1.2 The permit holder shall only collect such wastes as have been notified in writing to Wicklow County Council and subsequently agreed, which are listed in Appendix A to this permit or such later revision of the said appendix as WICKLOW County Council may issue
- 1.3 The permit holder shall notify Wicklow County Council in writing of any proposed changes in the information furnished and shall obtain written approval from Wicklow County Council prior to these changes occurring.
- 1.4 This permit and any condition imposed therein shall not relieve the permit holder of any statutory obligations under any other enactment whatsoever.
- 1.5 This permit is non-transferable.

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2. MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

- 2.1 The permit holder shall ensure that where waste collected under this permit is transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies-
- (i) there is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility, or
 - (ii) an application for such licence or permit has been made to, and is under consideration by, the Agency or relevant local authority and the activity concerned may be lawfully carried on pending a decision in relation to the said application.
- 2.2 The permit holder may not transfer waste to a facility under condition 2.1 of this permit unless the waste activity at that facility is authorised under:
- (i) Section 39(1) of the Act, in the case of a facility subject to licensing, or
 - (ii) Article 4 of the Waste Management (Permit Regulations), 1998 in the case of an activity specified in Part I or part II of the First Schedule of the said Regulations.
- Note: An authorised waste management facility does not include a facility for which a licence/permit has been revoked or a licence/permit has not yet been granted for applications made after the prescribed date.
- 2.3 The permit holder shall only transfer waste to the facilities that have been notified in writing to Wicklow County Council and subsequently agreed, which are listed in Appendix B to this permit or such later revision of the said appendix as Wicklow County Council may issue and to no other facilities whatsoever.
- 2.4 If the permit holder proposes to transfer waste to facilities other than those which were previously agreed with Wicklow County Council, the permit holder shall, a minimum of ten working days prior to use of these facilities, submit the following details in writing for the written agreement of Wicklow County Council:
- a) Origin of waste material.
 - b) Description of waste including European Waste Catalogue (EWC) code.
 - c) Location, ownership details, and contact number of the facility.
 - d) Waste permit or license details of the facility.
 - e) Written confirmation from the operator of the facility that the said waste will be accepted there.
- 2.5 The permit holder shall carry or cause to be carried a copy of this permit at all times on each vehicle which is used for the purposes of the activity to which the permit relates.
- 2.6 The permit holder shall carry or cause to be carried a copy of the latest revision of all appendices issued by Wicklow County Council at all

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times on each vehicle which is used for the purposes of the activity to which the permit relates

- 2.7 The permit holder shall take steps to ensure that all, or a specified proportion of waste collected by the permit holder, or of any class or classes of such waste, is segregated, treated or recovered, in such manner as may be specified by Wicklow County Council
- 2.8 Where any local authority has made bye-laws under section 35 of the Act the permit holder shall not collect waste in the functional area of the said local authority unless it has been presented in accordance with the requirements of the said bye-laws.
- 2.9 Where household or commercial waste has been segregated prior to collection in accordance with a bye-law referred to in condition 2.8 or by Regulation, or by any requirement of the County Wicklow waste management plan, the permit holder, if collecting the recyclable fraction of the waste, shall ensure that this fraction is separately collected in its entirety, kept free of contamination, and transferred to a suitable recovery facility in accordance with the said Bye-law, Regulation or Plan. Similarly biodegradable waste if required to be segregated and separately collected shall be transferred to a suitable biodegradable waste treatment facility.
- 2.10 The permit holder shall identify all hazards associated with the waste being collected, and shall be familiar with best practice regarding its safe movement and handling and shall adopt all necessary, reasonable and practicable safety measures accordingly.
- 2.11 The permit holder shall have in place a documented Emergency Response Procedure (ERP), which shall address any emergency incident that may arise. This procedure shall include for an emergency response unit, replacement vehicles, clean-up equipment, etc in order to minimise the effects of the emergency on the environment. The permit holder shall maintain a copy of the ERP at the principal place of business of the permit holder.
- 2.12 The permit holder shall ensure that all operatives employed in the waste collection activity are familiar with the conditions of this permit and the ERP.
- 2.13 The permit holder shall clean up immediately any spillage of waste, which occurs in the course of the collection operation, in a manner, which will not cause environmental pollution. The permit holder shall carry an emergency spillage kit on each vehicle listed in appendix C, at all times, to deal with minor spillages.
- 2.14 The permit holder shall not cause environmental pollution during the course of the waste collection activity to which this permit relates.

3. VEHICLES, SKIPS AND RECEPTACLES.

- 3.1 The permit holder shall only use the vehicles as have been notified in writing to Wicklow County Council and subsequently agreed, which are listed in Appendix C to this permit or such later revision of the said appendix as Wicklow County Council may issue, for the purposes of the activity to which this permit relates.
- 3.2 All vehicles used by the permit holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 75 millimetres high :
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder.
- 3.5 Each skip, tanker, trailer or container used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
 - (ii) Telephone number of the permit holder;
 - (iii) A unique identification number for the skip, tanker, trailer or container.
- 3.6 The permit holder shall ensure that skips containing waste are appropriately covered during transit to prevent spillage and litter nuisance.
- 3.7 The permit holder when using a skip for the purposes of the activity to which this permit relates shall provide the hirer, with a written agreement detailing:
- (i) that the hirer shall not allow the placement of hazardous waste in the skip
 - (ii) the types of wastes which may be placed in the skip as listed in appendix A to this permit.
- 3.8 No skip, tanker, trailer or container used for the purposes of the activity to which this permit relates and which contains waste shall be left in a public place (as defined in the Litter Pollution Acts 1997 and 2005), other than where it is initially filled, unless it is on or attached to a mechanically propelled vehicle, which is in transit to a facility as listed in Appendix B to this permit.

- 3.9 The permit holder shall ensure that each vehicle when carrying waste shall display a plate. The plate shall be a white coloured demountable plate with the letter W, the letter W (which signifies that Waste is being carried) shall be in clearly legible indelible lettering of least 75 millimetres high. The plate shall be displayed at all times when waste is being transported. It shall be kept clean and maintained in good condition. The plate shall be removed from display when the vehicle is not carrying waste.
- 3.10 All wheeled bins used for the collection of municipal waste shall comply with standard I.S. EN840 parts 1-6
- 3.11 Wheeled bins for municipal waste (including separately collected fractions) shall be identified with the name, address and telephone number of the permit holder in clearly legible lettering and a unique customer reference number. The permit holder shall supply the name and address of a customer to whom a reference number applies on request. The permit holder shall submit written details of the identification system to Wicklow County Council for approval on request.

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4. NOTIFICATION AND RECORD KEEPING

- 4.1 The permit holder shall notify Wicklow County Council in relation to any conviction for an offence prescribed under article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The permit holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the occurrence of any incident connected with the activity to which this permit relates that caused or has the potential to cause environmental pollution or a threat to human health. The permit holder shall include as part of the notification the date, time, location and a full description of the incident. The permit holder shall also send a written record of the incident to Wicklow County Council within 1 week of the incident. This written record of the incident shall include the following information:
- (i) the date, time and location of the incident,
 - (ii) a full description of the incident,
 - (iii) details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
 - (iv) details of steps taken to avoid recurrence of similar incidents.
- 4.3 Permit holders who are not based in the Republic of Ireland shall within 1 month of the date of grant of this permit submit details of a registered service address in the Republic of Ireland.
- 4.4 The permit holder shall notify Wicklow County Council in advance of any proposal to increase the level of fees charged to householders for waste collection services provided.
- 4.5 The permit holder shall have a docket system for recording non-hazardous industrial/commercial and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following:
- (i) the name and waste collection permit number of the permit holder
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle
 - (iv) signature and name of the waste producer and address of origin of the waste,

- (v) the local authority area of origin of the waste,
- (vi) Description of waste including European Waste Catalogue (EWC) code.
- (vii) the name, address and licence or permit number of the waste facility to which the consignment of will be delivered,
- (viii) quantity of waste delivered to the waste facility in units of tonnes or litres,
- (ix) signature of the vehicle driver, and
- (x) signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility. The permit holder shall comply with the provisions of this condition unless otherwise agreed in writing by Wicklow County Council.

- 4.6 The permit holder shall have a docket system for recording waste from a regular collection round of non-hazardous household and commercial waste producers. One individually numbered docket shall be used per vehicle per day. The docket shall be retained on the vehicle while the waste to which the docket relates is being transported on the vehicle. Each docket shall at a minimum contain the following:
- (i) the name and waste collection permit number of the permit holder,
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle
 - (iv) The area in which the waste originated ,
 - (v) The local authority of origin of the waste,
 - (vi) Description of waste including European Waste Catalogue (EWC) code.
 - (vii) the name, address and licence or permit number of the waste facility or facilities to which the consignment will be delivered,
 - (viii) Quantity of waste delivered to the waste facility in units of tonnes or litres
 - (ix) signature of the vehicle driver, and
 - (x) Signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility. The permit holder shall comply with the

provisions of this condition unless otherwise agreed in writing by Wicklow County Council.

- 4.7 Wicklow County Council may at any time serve a notice on the permit holder specifying the format and layout of dockets which the permit holder shall use in accordance with condition 4.4 and 4.5 of this permit. The permit holder shall comply with the provisions of any such notice.
- 4.8 The permit holder shall carry the dockets referred to in Conditions 4.4 and 4.5 on the vehicle on which the waste they refer to is carried until control of the waste is transferred to a facility specified in Appendix B of this permit. After that time, the permit holder shall retain the dockets referred to in Conditions 4.4 and 4.5 at the principal place of business of the permit holder for a period of three years and shall be made available for inspection by an authorised person.
- 4.9 The permit holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.4 and 4.5 maintain up-to-date (or monthly) summaries of the following information in respect of waste collected by the permit holder in each calendar month:
- (i) Local Authority area of Origin of Waste
 - (ii) Point of collection
 - (iii) Description of waste including European Waste Catalogue (EWC) code, indicating whether or not the waste is hazardous
 - (iv) Quantity of each waste type collected in tonnes or litres
 - (v) the name, address and licence or permit number of the waste facility or facilities to which waste was delivered by the permit holder,
 - (vi) (viii) Country of destination (if abroad)
 - (vii) the nature of the activity carried on each waste facility to which waste was delivered by the permit holder (i.e. Disposal or recovery or transfer station)
 - (viii) The total number of households provided with waste collection by the permit holder
 - (ix) The number of households provided with kerbside dry recyclable waste collection by the permit holder
 - (x) The number of households provided with a biodegradable kerbside waste collection by the permit holder
 - (xi) The number of households provided with 'pay-by-use' waste collection by the permit holder

- 4.10 The records maintained by the permit holder in accordance with condition 4.8 shall be kept at the address of the principal place of business for at least three years and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.
- 4.11 The permit holder shall, not later than 28th February in each year furnish to Wicklow County Council an Annual Report (AR) in respect of waste collection activities carried out by the permit holder in the preceding calendar year. The AR shall be a summary of the records maintained under condition 4.4 and condition 4.5 of the permit. The AR shall contain the following information, in summary form, in respect of waste collected by the permit holder in the preceding calendar year:
- (i) Local Authority area of Origin of Waste
 - (ii) Point of collection
 - (iii) EWC Codes, indicating whether or not the waste is hazardous
 - (iv) Waste Description
 - (v) Quantity of each waste type collected (in tonnes)
 - (vi) Destination of waste (ie. facility name and address)
 - (vii) Waste licence or waste permit register number of facilities to which waste is delivered
 - (viii) Country of destination (if exported abroad for treatment)
 - (ix) the nature of the activity carried on at the waste facility to which waste is delivered (ie. Disposal or recovery)
 - (x) The total number of households from which the permit holder collected waste
 - (xi) The number of households provided with kerbside dry recyclable waste collection by the permit holder
 - (xii) The number of households provided with a biodegradable kerbside waste collection by the permit holder

The completed form shall be submitted by the 28th February each year in respect of the preceding calendar year to Wicklow County Council by e-mail to env@wicklowcoco.ie, or posted to Wicklow County Council on a 3 1/2" computer diskette, unless otherwise agreed in writing with Wicklow County Council.

- 4.12 A copy of all correspondence sent to and received from Wicklow County Council regarding this waste collection permit shall be kept at the address of the principal place of business for at least three years following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.
- 4.13 The permit holder shall at his principal place of business for at least three years maintain a list of the name and address of each waste producer and waste facility from which the permit holder collects waste for inspection by an authorised person.
- 4.14 All communications from the permit holder to Wicklow County Council shall be addressed in writing by the permit holder to the following address:

**Waste Management Section,
Environmental and Water Services,
Wicklow County Council,
County Buildings,
Wicklow.**

This condition does not apply in respect of the Annual Report as described in Condition 4.10.

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5. CHARGES AND FINANCIAL PROVISIONS.

- 5.1 The permit holder shall pay to Wicklow County Council:
- (i) the cost of any investigations carried out or caused to be carried out by the local authority so as to enable it properly to decide on an application, or
 - (ii) any costs incurred by the local authority for the purpose of ensuring compliance by the holder of a permit with the requirements of the said permit, including the cost of any inspections, audits or investigations carried out or caused to be carried out by the local authority, and the taking and analysis of any sample.
- 5.2 The permit holder shall effect and maintain an appropriate and adequate policy of insurance in respect of vehicles used for the purposes of, and liabilities arising from, the waste collection activity, including employer's liability and public liability as relevant.
- 5.3 The minimum acceptable level of indemnity is €6,400,000 for Public Liability Insurance and €3,800,000 for third party property damage on Motor Insurance and €12,800,000 for Employers Liability

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6. CONDITIONS SPECIFIC TO WASTE TYPES

6.1 COMMERCIAL AND INDUSTRIAL WASTE

- 6.1.1 Within 6 months of the date of grant of this permit, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Wicklow County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from commercial and industrial premises. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.1.2 Within 6 months of the provision of suitable facilities for the treatment of the biodegradable fraction of municipal waste, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Wicklow County Council for the implementation and maintenance of a separate system for kerbside collection of biodegradable waste from commercial and industrial premises. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.1.3 Source separated waste shall not be mixed during collection.
- 6.1.4 The Permit Holder shall not collect materials containing hazardous waste, unless specifically permitted in accordance with Condition 1.2 and as listed in Appendix A. Where source segregation has not taken place, each waste load collected shall be treated as hazardous waste.
- 6.1.5 The permit holder shall provide separate receptacles for packaging waste which have been segregated in accordance with the Waste Management (Packaging) Regulations, 2005 or as amended.
- 6.1.6 The permit holder shall not collect packaging waste for disposal from a producer, without first receiving a written declaration as required under article 27(b) of the Waste Management (Packaging) Regulations 2005 or as amended.
- 6.1.7 The permit holder shall notify the local authority in advance, within a period of not less than one (1) month, of any proposal to alter/extend the materials for separate collection of dry recyclables under 6.1.1 above.

6.2 CONSTRUCTION AND DEMOLITION WASTE

- 6.2.1 The permit holder shall take measures to ensure compliance with National targets for the recovery, recycling and re-use of construction and demolition wastes.
- 6.2.2 Construction and demolition waste, where technically and economically feasible, shall be source segregated and transported for recovery, recycling or reuse.
- 6.2.3 The permit holder shall not mix source separated construction and demolition wastes during collection and transport.
- 6.2.4 The permit holder shall damp down dry or dusty wastes prior to transport.
- 6.2.5 The permit holder shall ensure that no waste is deposited on the public road during the collection and transportation of the waste.
- 6.2.6 The permit holder shall not collect soil and stones containing hydrocarbons or dangerous substances unless specifically permitted in accordance with condition 1.2 and as listed in Appendix A.
- 6.2.7 The permit holder shall ensure that no pollutants or other waste types are allowed to contaminate loads destined for recovery, recycling or reuse. The permit holder shall transfer contaminated loads to appropriate licensed / permitted facilities where segregation / treatment can be carried out.
- 6.2.8 Collection of construction and demolition wastes that are hazardous in nature is additionally subject to the conditions specified for Hazardous Wastes

6.3 DOMESTIC WASTE

- 6.3.1 Within 6 months of the date of grant of this permit, the permit holder shall, in accordance with condition 2.7, submit details for the written agreement of Wicklow County Council for the implementation and maintenance of a separate system for kerbside collection of dry recyclables from households. Any agreed program shall be implemented within 6 months following the date of agreement. In accordance with condition 2.7, the permit holder shall implement and operate a separate system for kerbside collection of dry recyclables from households as was agreed with the nominated authority.
- 6.3.2 The Permit Holder shall implement a system of "Pay by Use" from households serviced within County Wicklow as required in accordance with the County Wicklow waste management plan. Pay by tag, pay by lift or pay by weight are typical "Pay by Use" systems but the Permit

Holder may propose an alternative. The system proposed must demonstrate a clear incentive to householders to minimise residual waste and maximise recycling. The system proposed shall be notified in advance to the relevant local authority.

- 6.3.3 Within 6 months of the provision of suitable facilities for the treatment of the biodegradable fraction of domestic waste, the permit holder shall in accordance with condition 2.7, submit details for the written agreement of Wicklow County Council for the implementation and maintenance of a separate system for kerbside collection of biodegradable waste from households. Any agreed program shall be implemented within 6 months following the date of agreement.
- 6.3.4 The permit shall notify Wicklow County Council and all persons availing of their domestic waste collection activities of the frequency of collection and, a minimum of 10 working days in advance of any alternative arrangements made for collection in relation to public holidays etc., or of any proposal to cease or reduce the level of collection.
- 6.3.5 The permit holder shall implement an education and awareness programme. The programme shall be agreed with Wicklow County Council within 6 months of receiving the waste collection permit. The programme shall include, unless otherwise agreed with the Wicklow County Council:
- (i) Timetable for implementation of the education and awareness programme.
 - (ii) Details of mail-shots and leaflet drops.
 - (iii) Details of newspaper advertisements.
 - (iv) Details of a customer help-line including details of staff training.
 - (v) Procedures for rejected/contaminated materials.
 - (vi) Any agreed program shall be implemented within 6 months following the date of agreement.
 - (vii) The permit holder shall send a copy of all promotional material to Wicklow County Council c/o Waste Management Section, Environmental and Water Services, County Buildings, Wicklow.

6.4 END OF LIFE VEHICLES

- 6.4.1 The permit holder shall ensure that all vehicles used for the collection and transportation of end-of-life vehicles (ELVs) shall be of such design to prevent spillage and leakage of end of life vehicle fluids and in any event carry adequate stocks of spill kits (including oil absorbent materials, pillows and blankets) to deal with any spillage's of end of life vehicle fluids that may occur during transport.
- 6.4.2 The permit holder shall only use mobile car balers for the collection of ELVs, containing neither liquids nor other hazardous components. The permit holder shall not crush hazardous ELVs using mobile car balers prior to treatment and de-pollution.
- 6.4.3 The permit holder is prohibited from collecting ELVs in a waste collection vehicle with other metal waste
- 6.4.4 The permit holder shall only use tow trucks to transport ELVs that are intact and not leaking liquids or hazardous fluids and which have not been crushed or baled.
- 6.4.5 The permit holder shall obtain a Certificate of Destruction for each vehicle, which is delivered to an end of life vehicle disposal/ recovery facility. This Certificate of Destruction shall be issued by the facility in accordance with the provisions of Article 5.3 of Council Directive 2000/53/EC. A copy of this Certificate shall be retained at the principal place of business of the permit holder for a period of three years.
- 6.4.6 The permit holder shall ensure that all vehicles used for the collection and transportation of ELVs shall carry an adequate number of fire extinguishers to deal with any fires that may occur during transport. Any fire shall be treated as an incident and reported as per condition 4.2

- 6.5 HAZARDOUS WASTE (note includes waste asbestos, waste batteries, healthcare wastes)**
- 6.5.1 The permit holder is only permitted to deliver hazardous wastes to facilities that have been notified to Wicklow County Council and which were subsequently agreed, and to no other facilities whatsoever, subject to condition 2.3 and as listed in Appendix B.
- 6.5.2 The Permit Holders shall maintain records of all hazardous waste movements and shall comply with the Waste Management (Movement of Hazardous waste) Regulations, 1998 (S.I. No. 147 of 1998), with the Waste Management (Transfrontier Shipment of Waste) Regulations, 1998 (S.I. No. 149 of 1998) and with Council Regulation (EEC) No 259/93 of 1 February 1993 on the supervision and control of shipments of waste within, into and out of the European Community. Accordingly, no movement of hazardous waste from point to point within the State should take place without a C1 form being completed. Where waste is to be exported, a transfrontier shipment of waste authorisation should be in place. A movement tracking form should be submitted three days in advance of individual shipments taking place.
- 6.5.3 A European Waste Catalogue (EWC) code and waste description shall be assigned to each hazardous waste consignment collected, in accordance with the requirements of the Waste Management (Movement of Hazardous Waste) Regulations, 1998 (S.I. No. 147 of 1998).
- 6.5.4 The Permit Holder shall have regard to the relevant provisions of the ADR Regulations and the Carriage of Dangerous Goods by Roads Regulations, 2001 (S.I. No. 511 of 2001), as they apply to hazardous waste (e.g. waste segregation, emergency response/contact numbers etc).
- 6.5.5 The permit holder shall not store hazardous waste at any location except in accordance with the requirements of a waste licence or permit, the ADR regulations or the Carriage of Dangerous Goods by Roads Regulations, 2001.
- 6.5.6 In addition to the normal labelling requirements under relevant legislation (e.g. ADR, Carriage of Dangerous Goods by Road Regulations etc.), all receptacles used for the collection of hazardous waste shall be clearly identified as containing hazardous waste.
- 6.5.7 The Permit Holder shall keep in the collection vehicle a list of hazardous wastes that may be accepted at specified licensed or permitted facilities including a copy of the written consent obtained from the permitted or licence facility.
- 6.5.8 The Permit holder shall put in place a backup plan (called the rejection procedure) to deal with an event that a hazardous waste load is

rejected at a facility listed in Appendix B. The rejection procedure detailed in the Hazardous Waste Collectors C1 Form provides for a rejected load to be returned to its point of origin. Any load of hazardous waste that is rejected shall be treated as an incident and reported as per condition 4.2

- 6.5.9 If vehicles are to be used for the collection of any other waste types, they shall be decontaminated prior to use.
- 6.5.10 All vehicles used for the collection and transport of hazardous material shall be clean, dry and residue-free prior to commencement of loading of any new consignment of Hazardous Waste.
- 6.5.11 Where the Permit Holder collects waste containing asbestos fibres or dust care must be taken to ensure that the waste is treated and packaged so as to prevent the release of asbestos particles into the environment in accordance with Council Directive 87/217/EEC.

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6.6 INCINERATION WASTE

- 6.6.1 The permit holder shall transport all dry residues, incinerator dusts, boiler dusts and dry residues from the treatment of exhaust gases in closed containers.

6.7 SLUDGES / SLURRIES AND SEPTIC TANK WASTE

- 6.7.1 For the purpose of this condition a landbank covers lands used for spreading or treating waste with a consequential benefit for an agricultural activity or ecological system
- 6.7.2 The permit holder shall spread waste only on the landbanks notified to Wicklow County Council and which were subsequently agreed and to no other landbanks whatsoever, subject to condition 2.3 and as listed in Appendix B
- 6.7.3 The permit holder shall ensure where wastes collected originate from an Integrated Pollution Prevention and Control (IPPC) licensed facility the waste shall be transported to appropriate facilities as governed under the IPPC licence.
- 6.7.4 The permit holder shall ensure that the spreading of sludge on lands, which are exempt from the requirement to hold a waste licence under section 39 of the Waste Management Act, 1996 by virtue of section 51(2)(a) of the Act, is carried out in accordance with a Nutrient Management Plan specific to those lands. The Nutrient Management Plan shall comply with the Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 (S.I. No.148 of 1998), the Waste Management (Use of Sewage Sludge in Agriculture)(Amendment) Regulations, 2001 (S.I. No. 267 of 2001), the EPA code of practice for the application of organic waste to land, and "Good Farm Practice", published by the Department of Agriculture, Food and Rural Development (2001), and "Nutrient and Trace Element Advice for Grassland, Tillage, Vegetable and Fruit Crops", published by Teagasc 2004.
- 6.7.5 The permit holder shall be familiar with the requirement placed on holders of waste arising from any bye-laws made under Section 21 of the Local Government (Water Pollution) Act, 1990 by the local authorities in whose area a disposal / recovery activity is being carried out and shall keep a copy of all such bye-laws at the address of the principal place of business
- 6.7.6 Where bye-laws referred to in condition 6.7.5 have been made by Wicklow County Council the permit holder shall not spread waste on the lands unless it is in accordance with the requirements of the bye-laws in force in the local authority concerned.

6.8 WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

- 6.8.1 Where Waste Electrical and Electronic Equipment (WEEE) collected by the permit holder is of a hazardous nature as defined in the European Waste Catalogue (EWC), the permit holder shall adhere to the special conditions relating to collection of hazardous waste.
- 6.8.2 WEEE shall only be collected, handled, transported and stored in a manner so as to avoid damage that would prevent equipment or components from being reused, recycled or recovered.
- 6.8.3 After 1st August 2005, unless otherwise notified to the permit holder, WEEE shall only be transported to a designated civic amenity site or designated recovery facility.
- 6.8.4 The permit holder shall not crush hazardous WEEE or remove hazardous substances and components prior to treatment and depollution.

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6.9 WASTE OILS

- 6.9.1 All loading, unloading and storage of waste oils shall take place within the designated areas of any facilities, which shall be adequately bunded to ensure that any spillages that occur are retained and returned for reprocessing.
- 6.9.2 Waste oils shall be collected, handled, transported and stored in a manner so as to minimise the risks of contamination to all environmental media or endangerment to the general public and their health in accordance with Council Directive 75/439/EEC as amended by Council Directive 87/101/EEC.
- 6.9.3 All oily waters collected with the waste oil shall be transferred with the waste oil to the licensed or permitted waste oil recovery facility.
- 6.9.4 The Permit Holder shall not collect waste oils contaminated by polychlorinated biphenyl (PCB). Collectors must not mix waste oils with PCBs and PCTs nor with toxic and dangerous waste within the meaning of Directive 78/319/EEC.
- 6.9.5 Where waste oil collected by the Permit Holder is of a hazardous nature as defined in the European Waste Catalogue (EWC), the Permit Holder shall adhere to the special conditions relating to collection of hazardous waste.

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Appendix A

Permitted waste types in accordance with Condition 1.2.

European Waste Codes	Waste Description
15 01 01	Cardboard Packaging
15 01 06	Mixed Packaging
15 01 07	Glass
20 01 08	Biodegradable Kitchen & Canteen Waste
20 02 01	Biodegradable Waste
20 03 01	Mixed Municipal Waste

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Appendix B

Permitted disposal or recovery sites to be used in accordance with Condition 2.3

- Glyntown Enterprises, Glanmire, Co. Cork. WP 11/01
- Clearpoint Recycling, Carrick-on-Suir, Co. Tipperary; WP 18/03
- Greenstar Recycling Munster, Glanmire, Co. Cork; Wlic. WO 136-2
- Greyhound recycling & Recovery Ltd. Clondalkin, Co. Dublin WL 205-01
- Any other Permitted/Licensed site.

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Appendix C

Permitted collection vehicles to be used in accordance with Condition 3.1

- 99KY291
- 99C28867
- 03C5525
- 04C11765
- 04C17965
- 05C13228
- 06C6103
- 06C11472
- 06C15302
- 06C16533
- 06C16534
- 07C9261

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B.4 Sanitary Authority

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority or other body, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges.

Name: Cork City Council

Address: City Hall,
Co. Cork

Tel: Tel: +353 21 4966222 |

Fax: Fax: +353 21 4314238

The applicant must enclose, as **Attachment B.4**, a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer.

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Attachment B.4

Sanitary Authority

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment B.4 Sanitary Authority

The regulatory authority responsible for the collection and treatment of sanitary effluent in the local area is Cork City Council.

The process is a dry process and there are no process waste water or trade waste emissions from the site.

The segregation and sorting of this material produces an effluent which is collected in a sump within the Materials Recovery Facility. The effluent from the sump is treated via a Class I full retention interceptor which separates the oil and solids from the water. The oil is separated through the application of coalescing devices to draw the oil droplets together to retain the oil safely until it is removed. The water subsequently discharges to Cork City Council (CCC) foul pipeline which runs through the northern section of the site. Foul sewage from activities onsite will also discharge into Cork City foul sewer.

For additional details on the drainage network, refer to Attachment D1.

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WASTE Application Form

B.5 Other Authorities

The applicant should tick the appropriate box below to identify whether the activity is located within the Shannon Free Airport Development Company (SFADCo.) area.

Within SFADCo. Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
----------------------------	-------------------------------------	---

The applicant should indicate the **Health Board Region** where the activity is or will be located.

Name: Southern Health Board

Address: Wilton Road
Cork

Tel: 0214545011

Fax:

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B.6 Notices and Advertisements

Articles 6 and 7 of the Waste Management (Licensing) Regulations 2004 requires all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note*.

Attachment B.6 should contain a copy of the site notice and an appropriately scaled drawing ($\leq A3$) showing its location on site. **The original application must include the complete newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and three copies of the application.

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Attachment B.6

Notices and Advertisements

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment B.6 Notices and Advertisements

Appendices

Appendix B.6.1	Copy of Site Notice
Appendix B.6.2	Location of Site Notice
Appendix B.6.3	Newspaper advertisement for planning application
Appendix B.6.4	Correspondence with Planning Authority

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Appendix B.6.1
Copy of Site Notice

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PUBLIC NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given in accordance with Articles 5 and 6 of the Waste Management (Licencing) Regulations 2004 (S.I. No. 395 OF 2004) that Country Clean Recycling Ltd., Churchfield Estate, Co. Cork, John F. Connolly Rd, Co. Cork are applying to the Environmental Protection Agency for a Waste Licence within two weeks of this date in respect of extending their existing Material Recovery Facility located in Churchfield Estate, Co. Cork, John F. Connolly Rd, Co. Cork- National Grid Reference as follows: E566068, N573642

Country Clean Recycling Ltd. propose to extend their existing facility which currently operates under a Waste Permit from Cork City Council and increase the annual intake to 100,000 tonnes per annum of non-hazardous waste.

The Classes of Waste Disposal and Recovery Activities applied for as per the Third and Fourth Schedules of the Waste Management Act, 1996 to 2003 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 11- Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.

Class 12 - Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

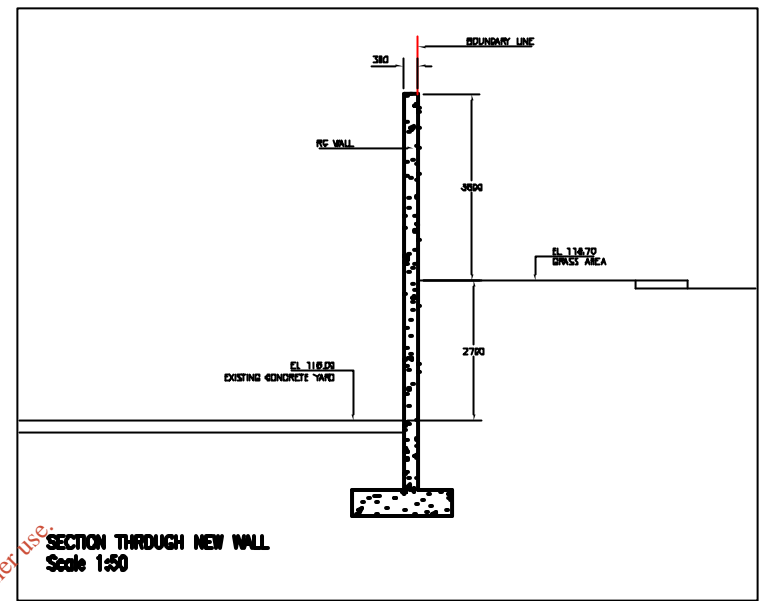
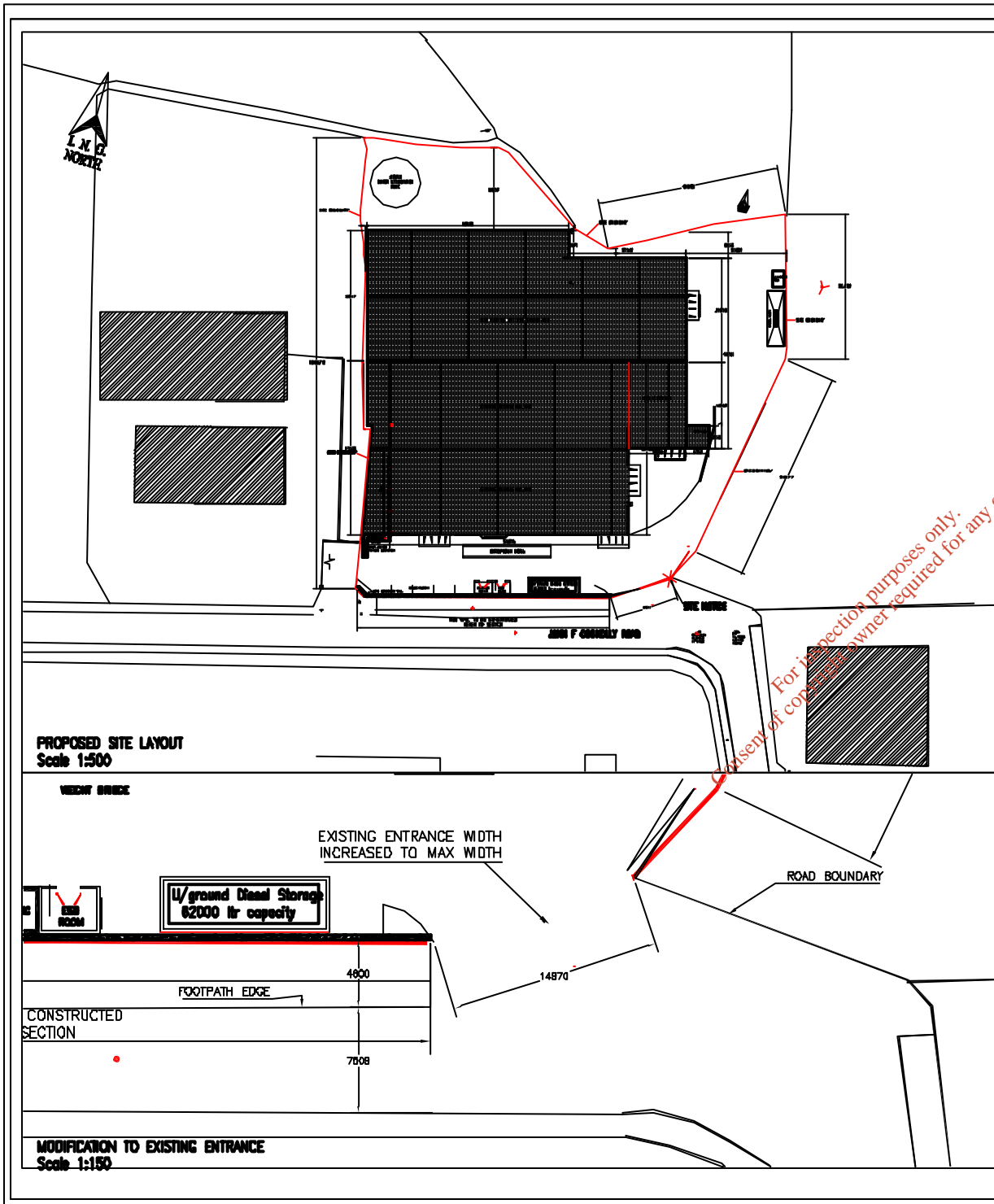
Class 13- Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The Principal activity at the site is Class 4 of the Fourth Schedule as detailed above.

The application is accompanied by an Environmental Impact Statement (E.I.S.). The Waste Licence Application and EIS will be submitted to the Agency within two weeks of the publication of this notice. A copy of the Waste Licence Application and EIS and such further information relation 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.**

Appendix B.6.2
Location of Site Notice – Map No. 2

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SITE AREA 8739m²

BUILDING AREA TO BE DEMOLISHED 1336m²
 NEW BUILDING AREA 2980m²
 EXISTING BUILDING AREA 2300m²
 TOTAL BUILDING AREA 5280m²

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Issue no.	Date	By	Checked	Approved	Note Ref.	Date
00	03/08	RF	PL	PL		

OES | consulting

environmental health and safety engineering project management
 © Copyright of OES Consulting, 1500 House, Mile Park, Trillick Co. Kerry.
 Tels: 353 (0)204718321 Fax: 353 (0)2047180091 Email: info@oes.ie

Client Country Clean Recycling Ltd
Churchfield Ind. Estate, John F. Connelley Road, Co. Cork

Title Site Layout / Entrance & Wall Details

Scale 1:500/80 **Project No.** 1094-01

Drawing No. 1094_01_004

Appendix B.6.3
Newspaper Advertisement

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Evening Echo Classifieds

Cork 021-4274455
email ads@eecho.ie

Health & Beauty

Acupuncture

Elizabeth Murphy (lic.Ac), Acupuncture, Cosmetic Acupuncture, Mallow & Killarney Clinics. Apt 022-55155 or 064-35761

Healing

Gilbert De Meester Herbalist, (IRCHM), Mega Herb Stores, Killarney & Mallow Clinics. Tel for Apt 064-35761 or 022-55155

Massage Holistic

Royal Orchid

Authentic Thai Massage. We invite you to an art with ancient traditional Thai massage by Thai therapist. 19 South Mall. 085-2886969

Beauticians

American Beauty

Courses now starting March '09, Diploma in Cosmetology, Make up Artistry, Nail Technology. 086-6613631 :www.beautybarusa.com

Holistics

Treatment Room to let Blackpool area, part time if needed, would suit Acupuncturist, Massage Therapist, Counsellor, etc. Tel. 087-7423650

Massage Holistic

Sala Thai Massage. Sheares St. Ph: 087-6718078 or 021-4905878

Suwanna Authentic Thai Massage, 13 Georges Quay. Open 11am-8pm. 7 days Tel. 087-7596075

Make Up Courses train as a professional make up artist-6 wk intense course with Sorrento Beauty. Starting in Feb. 086-1941447.

Laser Treatments

Academy Laser & Beauty Clinic for Laser Hair, Tattoo Removal and Skin Peeling. Open Daily. Tel 021-4272581

Thai House

Enjoy a Thai Trad or Oil Massage by Thai Masseuses 39 Princes St. 021 4905643

Solo Hair Design now holding Make Up Workshops by make up artist and Novlash Tech. 086-2011033 or 021-4554908

Arasys Clinic

New state of the art Laser Tattoo and Hair removal. Call 021-4278722 for free consultation.

Slimming

Chocolate banana UK's no1 slimming Tablets call Gill 0876843421

Cosmetic Treatments

Anti wrinkle treatments

Restylane / Sculptra, Lipodissolve, Reduce under arm sweating, Fraxel Face Lift Laser Tech, Male Hair Restoration, Acne Scarring. Est 1999. Dr. Corla O'Donoghue 73 Wilton Road. 0214545456 Email: beautox@eircom.net

TATTOO removal €85 Laser teeth whitening €250 20% off all laser hair removal (ex bikini now €85) Suburbia, Wilton. Ph: 021 4347886

D&G Vibro Plate Rentals call 0876843421

Hair Dressing

Chair to rent in busy City Centre Hairsalon for Barber only. contact Trish 087-7884074

Massage Holistic

50% Off your next massage when you have a full body massage at Joanna Beauty Salon. Ph: 021-4274868, 25 Marlboro Street.

Medilite Medical Weight Loss Program

lose up to 7 lbs per week, medical cards accepted, for app. call on 021 4899058.

Head Rushh is now closed

for business. Please contact Martina now based at Solo Hair Design 021-4554908, 2 Camden Wharf, Carroll's Quay or alternatively 087-6130284 or BillyJean 085-1642333

Ban-Thai

Thai massage, 129 Oliver Plunkett St. 021-4274131. Now Open in 12 New Cork Road, Middleton. Ph: 021-4639480. Hourly rates, €50. Open 7 days.

Treadmills, Cross Trainers for home hire 086-1684850.

Manasa Thai Massage

Treat Yourself to a Thai Massage or Oil Massage. 7 days. € 50 an hr. Thompson House, MacCurtain St. 021-4550244

C. Spa Thai Massage. Beauty Treatment. McCurtain Street 4552855, 086-3337223

Sunbeds

All stand-up and lie-down sunbeds. Half Price! Ph: 4885444/ 087 0530372

Jeff Devine College

Models required Tues-Sat, 9-5.30pm. Reduced prices. Tel 4905050

Mai Thai Massage Health Centre: Thai, Foot and Oil Massage. Top Floor, No. 30 Grand Parade 085-7188999 10.30 am to 8 pm. 7 days Gift Vouchers now available

D&G Sunbed Rentals 0876843421

Health & Beauty

Public Notices

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given, in accordance with Articles 5 and 6 of the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 OF 2004), that Country Clean Recycling Ltd., Churchfield Estate, Co. Cork, John F. Connolly Road, Co. Cork are applying to the Environmental Protection Agency for a Waste Licence within two weeks of this date in respect of extending their existing Material Recovery Facility located in Churchfield Estate, Co. Cork, John F. Connolly Road, Co. Cork- National Grid Reference as follows: E566068, N573642.

Country Clean Recycling Ltd. propose to extend their existing facility which currently operates under a Waste Permit from Cork City Council and increase the annual intake to 100,000 tonnes per annum of non-hazardous waste.

The Classes of Waste Disposal and Recovery Activities applied for as per the Third and Fourth Schedules of the Waste Management Act, 1996 to 2003 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 11 - Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.

Class 12 - Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

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 at the site is Class 4 of the Fourth Schedule as detailed above.

The application is accompanied by an Environmental Impact Statement (E.I.S.). The Waste Licence Application and EIS will be submitted to the Agency within two weeks of the publication of this notice. A copy of the Waste Licence Application and EIS and such further information in relation 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.

Public Notices

Planning Notices

Cork City Council: OES Consulting on behalf of Country Clean Recycling Ltd., Churchfield Industrial Estate, John F. Connolly Road, Co. Cork are applying to Cork City Council for permission to (a) demolish a section of the existing Materials Recovery Facility (MRF) of approximately 1,336m2, (b) construct an extension to the MRF comprising 2,980m2 to include a new materials handling and sorting facility, (c) construct new amenities building comprising offices, changing facilities, canteen and bathroom facilities (d) construct a new retaining wall along the southern boundary of the site to replace the existing fencing, (e) widen the existing site entrance in order to increase sight lines and safety, (f) construct an underground bunded oil storage tank of 62m3 capacity (g) associated ancillary works. This planning application will be accompanied by and Environmental Impact Statement (E.I.S.). A Waste Licence Application will be submitted to the Environmental Protection Agency in respect of the proposed development. The planning application and E.I.S. may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the Planning Authority at Cork City Council City Hall, Cork during its public opening hours 9.30am to 4.30pm, Monday to Friday, excluding Public Holidays. 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 within the period of 5 weeks beginning on the date of receipt by the authority of the application.

Cork County Council: Kevin and Mary Day seek permission for retention of modifications to previously approved mixed use development (granted under reg. ref. S/04/1863 and amended by S/06/6026) at the "Moriarty" premises located beside Hawgood's Shop on Main Street, Mosestown, Whitegate, Co. Cork. Modifications include demolition of party walls, alterations, rear extension, use of ground floor as extension to existing adjoining shop and change of use of permitted first floor office to two apartments. Permission is also sought for the demolition of the existing adjoining dwelling ("Walls" Premises) and construction of building with separate ground floor retail unit, storage area for adjoining shop premises and two first floor apartments on Main Street, Mosestown, Whitegate, Co. Cork. The Planning Application may be inspected or purchased, at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours - 9.30am-4.30pm, Monday to Friday, excluding public holidays. A submission/ observation in relation to the application may be made to the Authority in writing on payment of a fee of € 20 within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

Planning Notices

Cork City Council: We, Tony and Therese O'Riordan, intend to apply to Cork City Council for permission for construction of a single storey extension to the side and rear of the existing dwelling house at 27 Lima Lawn, Magazine Road, Cork. The planning application may be inspected or purchased at the offices of the Planning Authority, City Hall, Cork during its public opening hours - 9.30am - 4.30pm, Monday to Friday, excluding Public Holidays. A submission / observation in relation to the application may be made to the authority in writing on payment of a fee of €20 within the period of 5 weeks beginning on the date of receipt by the authority of the application.

Cork City Council: John Ryan applies for permission to remove condition 2 from planning permission Reg. No. TP 07/32396: permission for retention of existing detached garage at No. 44 Parklands Drive, Parklands, Rockmount. This planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

Cork County Council: Permission sought for change of house plans, site layout plan and site boundaries as granted under planning ref. No. 07/318 at Carhoo and Mountain Common, Ardfield, Clonakilty for Michael O'Leary. This planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority, Norton house, Skibbereen, Co. Cork during its public opening hours and a submission or observation in relation to the Application may be made to the authority in writing on payment of the prescribed fee within the period of 5 weeks, beginning on the date of receipt by the Authority of the application.

Cork City Council: Mr. and Mrs. John and Mary Hall are applying for Permission to construct new extension to dwelling house at side (south facing), at rear (east facing), and at side (north facing), make minor alterations, and associated site works, at no. 13 'Small Acre', Bishopstown Avenue, (side access from The Ridgeway), Bishopstown, Cork. This planning application maybe inspected or purchased at the offices of the Planning Authority at City Hall, Cork, between the hours of 9.30am and 4.30pm and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee of €20.00 within the period of five weeks beginning on the date of receipt by the Authority of the application.

Planning Notices

Cork County Council: We, Organic Power Ltd, Old Station, Marsh Road, Skibbereen, Co. Cork intend to apply for a ten year permission to erect 11no. Wind Turbines on a single site, of which 5 no. wind turbines with ancillary hard-stand and assembly areas are in the townland of Dromleena, 3 no. wind turbines with ancillary hardstand and assembly areas and 1 no. electrical substation are in the townland of Derrynasafagh, and install underground fibre optic and electrical cables and ancillary works in the townlands of (Dromleena, Inchanadreen, and Derrynasafagh), Dunmanway Co. Cork and install underground fibre optic and electrical cables and ancillary works along the public road to the 110kV Electrical Substation 1km east of Dunmanway town adjacent to the R586 and all ancillary associate site works including internal roadways and wheelwash facilities. This planning application will be accompanied by an EIS (Environmental Impact Statement). The Planning Application may be inspected or purchased, at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority, Norton House, Skibbereen, Co. Cork, during its public opening hours and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application. An environmental impact statement (EIS) has been prepared and will be submitted to the planning authority with this application and will be available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy during public opening hours at the offices of the planning authority.

Cork County Council: Cuthbert Environmental, on behalf of George Lynch, Main Street, Coachford, Co. Cork is applying for full Planning Permission for raising the levels of poor land to improve agricultural land, by placing on site of surplus construction materials i.e inert soil/rock and topsoil, on lands at Clontead More/ Peake, Coachford, Co. Cork. The Planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the planning authority during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of five weeks beginning on the date of receipt by the Authority of the application.

Appendix B.6.4
Correspondence with Cork City Council

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6th December 2007

Head of Planning
Cork City Council
City Hall
Co. Cork

Our Ref: L1_CCC_20071206

Re: Waste Licence Application For Country Clean Recycling Ltd.

Dear Sir /Madam,

In accordance with Article 6 of the Waste Management Acts (1996 to 2003), Country Clean Recycling Ltd., t/a Cork Mini Skips registered at Churchfield Industrial Estate Co. Cork, gives notice of its intent to make an application to the Environmental Protection Agency (EPA) for a Waste Licence to operate a waste recovery facility.

The business is currently operating under a Waste Permit from Cork County Council (ref: *CK WMC 234/04*). The facility accepts material in accordance with classes 11, 12, and 13 of the Third Schedule of the Waste Management Acts. These aforementioned activities relate to the blending, repackaging, and storage activities prior to submission to for disposal/recovery. The principal activities undertaken at the facility in accordance with the Fourth Schedule of the Waste Management Acts is Class 4 "*Recycling or reclamation of other inorganic materials*". As part of the Waste Licence application the facility proposes to processes 100,000 tonnes of material per annum.

We hereby would wish to inform you of our intent to apply to the EPA for the Waste Licence. The EPA has requested a letter of consent from the Cork City Council to indicate that they are in satisfied with the above mentioned.

We would appreciate if you could cc Country Clean Recycling on any communication with the EPA on this matter.

Trusting this is to your satisfaction. If you have any further queries in relation to this matter please do not hesitate to contact me.

Yours Sincerely,

David O'Regan
Managing Director

B.7 Type of Waste Activity, Tonnages & Fees

B.7.1 Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2003, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').

Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. **There can only be one principal activity.**

TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2003

Waste Management Acts 1996 to 2003			
THIRD SCHEDULE Waste Disposal Activities	Y/N	FOURTH SCHEDULE Waste Recovery Activities	Y/N
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	Y
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	Y
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	Y
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).		7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	Y
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	Y
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.	Y	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.	Y

TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

The maximum annual tonnage of waste to be handled at the site should be indicated and the year to which the quantity relates indicated.

Maximum Annual Tonnage (tpa)	100,000
Year	Projected 2010

B.7.3 FEES

State each class of activity for which a fee is being submitted as per Part I of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004. Note: two fees are required if disposal and recovery are to occur.

Waste Activity	Fee (in €)
Disposal of Waste (appropriate disposal activity 1.1 – 3.3)	€12,000
Recovery of Waste (4)	€10,000
Total Fees	€20,000

TABLE B.7.4 (FOR A LANDFILL APPLICATION)

STATE WHICH OF THE FOLLOWING IS RELEVANT TO THE CURRENT APPLICATION.

(a) landfill for hazardous waste	<input type="checkbox"/>
(b) landfill for non-hazardous waste	<input type="checkbox"/>
(c) landfill for inert waste	<input type="checkbox"/>

B.8 SEVESO II DIRECTIVE

State whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous substances) Regulations, 2000 (S.I. No. 476 of 2000), apply.

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
--------------------------	------------------------------	--

If yes, **Attachment B.8** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

SECTION C MANAGEMENT OF THE FACILITY

Advice on completing this section is provided in the *Guidance Note*.

C.1 Technical Competence and Site Management

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Attachment C.1

C.1 Technical Competence and Site Management

**Country Clean Recycling Ltd.
Waste Licence Application**

Project Ref: OES1094_01

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C.1 Technical Competence and Site Management

Details of the applicant's experience and qualifications, along with that of other relevant employees, at CCR are summarised as shown below.

Name	Position	Duties and Responsibilities	Experience /Qualifications
David O' Regan	Company Director	<ul style="list-style-type: none"> ▪ Overall Management of the Site. ▪ Quality Control 	Management Experience 18 Years.
Mary O' Regan	Company Director	<ul style="list-style-type: none"> ▪ Site Management. ▪ Ensuring site procedures are adhered to by all 	Management Experience 18 Years.
Flor Crowley	Environmental Health and Safety Officer	<ul style="list-style-type: none"> ▪ Management and Implementation of Environmental Health and Safety initiatives. ▪ EHS training ▪ Reviewing and updating EHS Procedures. 	BSc. Environmental Management 5 years management experience.
Tim O'Regan	Yard manager	<ul style="list-style-type: none"> ▪ Coordination of waste processing operations ▪ Coordination of maintenance and upkeep of yard areas. 	6 Years Management experience.

Country Clean Recycling Ltd. are Munster's leading independent waste solution specialists, offering a wide range of waste management and recycling services to the household and commercial sector in Munster.

The company employs circa 25 employees at the waste management facility located in Churchfield Industrial Estate which has been operational since June of 2002.

The company has operated a waste collection and recycling business since 1990 and have demonstrated their technical capability and site management through their involvement in the waste collection sector, installation of plant processing technology, which is verified by their client base whom they have served and has continued to grow over the years.

The management team comprises competent experienced personnel who have spent many years in the waste sector. The Managing Director will be responsible for environmental management at the site including compliance with the Waste Licence. The Yard Manager will assist the Managing Director by completing the FAS course for the waste facility management in February 2009. The Environmental Health and Safety Officer will ensure the effective implementation of the Environmental Health and Safety of the site.



WASTE Application Form

C.2 Environmental Management System

Attachment C 2 should contain the Environmental Management System (EMS) details required.

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Attachment C.2

C.2 Environmental Management System

**Country Clean Recycling Ltd.
Waste Licence Application**

Project Ref: OES1094_01

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C.2 Environmental Management System

Attachment C 2 should contain the Environmental Management System (EMS) details required.

An Environmental Management System (EMS) based on continual improvement will be implemented in line with the requirements of the Waste Licence. Operational and emergency procedures have been prepared and are in operation at the facility.

The structures in place for the management and responsibility for the operation and control of all abatement/treatment systems on-site are discussed in more detail in the Environmental Impact Assessment.

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C.3 Hours of Operation

Attachment C 3 should contain details of hours of operation for the waste facility, civic waste facilities and other facilities.

- (a) Proposed hours of operation.
- (b) Proposed hours of waste acceptance/handling.
- (c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).
- (d) Any other relevant hours of operation expected.

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Attachment C.3

C.3 Hours of Operation

**Country Clean Recycling Ltd.
Waste Licence Application**

Project Ref: OES1094_01

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C.3 Hours of Operation

Attachment C 3 should contain details of hours of operation for the waste facility, civic waste facilities and other facilities.

- (a) Proposed hours of operation.
- (b) Proposed hours of waste acceptance/handling.
- (c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).
- (d) Any other relevant hours of operation expected.

The proposed hours of operation are outlined below:

- (a) 07:00 to 07:00 Monday to Sunday inclusive
- (b) 06:00 to 19:30 Monday to Sunday inclusive
- (c) Not applicable
- (d) Collection/deliveries may be required outside normal operational hours to facilitate customer demand. These abnormal hours will be recorded.

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C.4 Conditioning Plan

Address as **Attachment C 4**, in the case of a LANDFILL Application, and only for the review of a Landfill Waste Licence.

Not applicable.

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SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

Complete the following table detailing the site infrastructure. **Attachment D 1** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.1. Additional advice on completing this section is provided in the application *Guidance Note*.

Table D.1. Infrastructure		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	Attachment D.1.
D.1.b	Designs for site roads	Y	Attachment D.1.
D.1.c	Design of hardstanding areas	Y	Attachment D.1.
D.1.d	Plant	Y	Attachment D.1.
D.1.e	Wheel-wash	Y	Attachment D.1.
D.1.f	Laboratory facilities	N/A	
D.1.g	Design and location of fuel storage areas	Y	Attachment D.1.
D.1.h	Waste quarantine areas	Y	Attachment D.1.
D.1.i	Waste inspection areas	Y	Attachment D.1i
D.1.j	Traffic control	Y	Attachment D.1.
D.1.k	Sewerage and surface water drainage infrastructure	Y	Attachment D.1.
D.1.l	All other services	Y	Attachment D.1.
D.1.m	Plant sheds, garages and equipment compound	Y	Attachment D.1.
D.1.n	Site accommodation	N/A	
D.1.o	A fire control system, including water supply	Y	Attachment D.1.
D.1.p	Civic amenity facilities	N/A	
D.1.q	Any other waste recovery infrastructure	N/A	
D.1.r	Composting infrastructure	N/A	

D.1.s	Construction and Demolition waste infrastructure	N/A	
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	N/A	
D.1.u	Any other infrastructure	N/A	

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Attachment D.1

Infrastructure

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment D.1 Facility Operation

D.1.a Site security arrangement including gates and fencing

The site is bordered by the John F. Connolly Road, and industrial units to the south and west of the facility; and agricultural field to the north and east. The facility is accessible through one entrance off the John F. Connolly Road.

Access to the site is restricted by a concrete retaining wall and a palisade fence located to the south of the facility. It is proposed to replace the palisade fence with a concrete retaining wall to increase site security.

The access control gates and waste processing building will be kept locked when the facility is unsupervised. Any defect in the gates and/or fencing shall be temporarily repaired by the end of the working day and reinstated fully within one week.

D.1.b Designs for site roads

The site is accessed from John F. Connolly Road located approximately 1.5 kilometres north of Cork City Centre. Access to the site can be gained through a network of third class routes which may be from the south via the N22 National Primary Route, and from the East via the N27 National Primary Route. All vehicles deliver and collect waste through this access point over the weighbridge. It is proposed to expand the existing access of the site to accommodate an increase in site traffic.

D.1.c Design of hardstanding areas

The majority of the site (0.87 hectares) consists of concrete hard standing area. It is planned to surface the remainder of the site which currently comprises soft unpaved ground as part of the planning process.

D.1.d Plant

The location of the weighbridge is shown in Appendix D.1.1. Once waste arrives at the facility, it is weighed, its details recorded and, upon approval, it is moved to the main building, the Materials Recovery Facility (MRF), for further processing. There is an area allocated for temporary storage of the waste and each waste stream has a designated area into which it is tipped for sorting. The waste is then stored temporarily or sorted immediately.

The waste is physically inspected to evaluate the possibility of reuse, recovery or recycling of all or part of the waste stream. Sorting involves separating the waste into different waste streams for removal off site.

All waste leaving the facility is weighed and its destination recorded.

D.1.e Wheel-wash

CCR are not planning on installing a truck wash unit on-site which is consistent with practices at these types of facilities. The site will be entirely hardstanding and good housekeeping practices ensure that the site remains clean at all times. However, a

dedicated wash bay will be maintained and any vehicles deemed to be unclean for road use will be washed prior to leaving the site.

D.1.f Laboratory facilities

There are no laboratory facilities on site.

D.1.g Design and location of fuel storage areas

It is proposed to install an underground bunded diesel tank with a 62,000 Litre, capacity at the south of the site to service vehicles entering and leaving the facility. The location for the proposed underground bunded diesel tank area is shown on Appendix D.1.1. The proposed underground diesel tank for on-site equipment will be bunded with a bund that conforms to the standard bunding specification (BS8007-1987) with the capacity of holding 110% of the tank capacity.

There are a number of bunded storage areas within the site for fuel, lubricants, odour abatement and associated materials storage areas onsite.

The main bunded storage area is present within the Materials Recovery Facility within a metal container.

One bund contains a 1950 litre diesel oil tank and a 1500 litre tank containing water used for supplying the odour control system. Hydraulic oil, Engine oil and waste oil from the garage are stored in the other bund. These are contained in 1950L metal tanks. The bund capacities are 10.8m³ and 12.6m³ respectively. These are more than sufficient to contain either 25% of the total volume of liquids stored therein or 110% of the capacity of the largest tank. Finally, the designs of the bunds are such that they prevent the ingress of water into the bund by means of roof sections.

D.1.h Waste quarantine areas

The location of the waste quarantine area is shown on in Appendix D.1.1. Any suspect or hazardous waste is stored in the waste quarantine area for further examination prior to removal off site for appropriate treatment/disposal by hazardous waste contractors. These materials are stored in sealed containers on a plastic spill tray and a cover will be erected over the proposed Waste Quarantine area.

D.1.i Waste inspection areas

The waste inspection area is located in the Materials Recovery Facility as shown in Appendix D.1.1 . All waste loads will be tipped in the inspection area and inspected prior to undergoing further handling. Hazardous waste is not accepted on site. However, any house hold hazardous waste inadvertently collected will be transferred to the quarantine area for collection and removal by a properly authorised collector.

D.1.j Traffic control

There is once entrance to the facility. Appendix D.1.2. illustrates the traffic flow of HGV's entering and leaving the site.

All vehicles involved in waste transportation have to pass thorough the weighbridge on entering and prior to leaving the site. Clear-on-site signage controls and directs vehicle movements on site.

D.1.k Sewerage and surface water draining infrastructure.

Currently all process water, wheel wash water, and storm water (with the exception of roof water), from the site is fed through a Class 1 Full Retention Oil Interceptor which subsequently flows into Cork City Councils foul water sewer.

It is proposed to divert all surface runoff from the hard standing paved areas through the existing Class 1 Full Retention Oil Interceptor and into Cork City Council's foul water system. The existing oil interceptor is sized to cope with surface water runoff from the hard standing areas from the facility.

It is proposed to divert all runoff from the roof to the storm water attenuation tank and then into Cork City Council storm water sewer. The 50 year 30 minute maximum rainfall flow from the roofed area alone would be 61l/s. Appendix D.1.3. illustrates the proposed drainage infrastructure for the site.

D.1.m Plant sheds, garages and equipment compound

As part of a planning application it is proposed to:

- (a) demolish a section of the existing Materials Recovery Facility (MRF) of approximately 1,336m²;
- (b) construct an extension to the MRF comprising 2,980m² to include a new materials handling and sorting facility;
- (c) construct new amenities building comprising offices, changing facilities, canteen and bathroom facilities.

D.1.n Site accommodation

There is no site accommodation proposed for the site.

D.1.o A fire control system, including water supply

Fire extinguishers are present onsite. It is proposed to install a two fire hydrants one which will be located at the west perimeter of the site and the other at the east perimeter of the site as part of a fire control system.

D.1.q Any other waste recovery infrastructure

Not applicable.

D.1.s Construction and Demolition on waste infrastructure

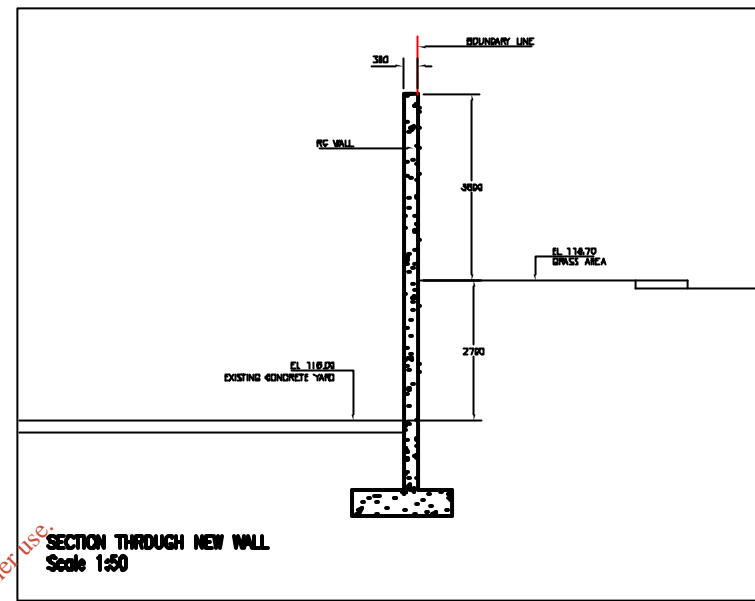
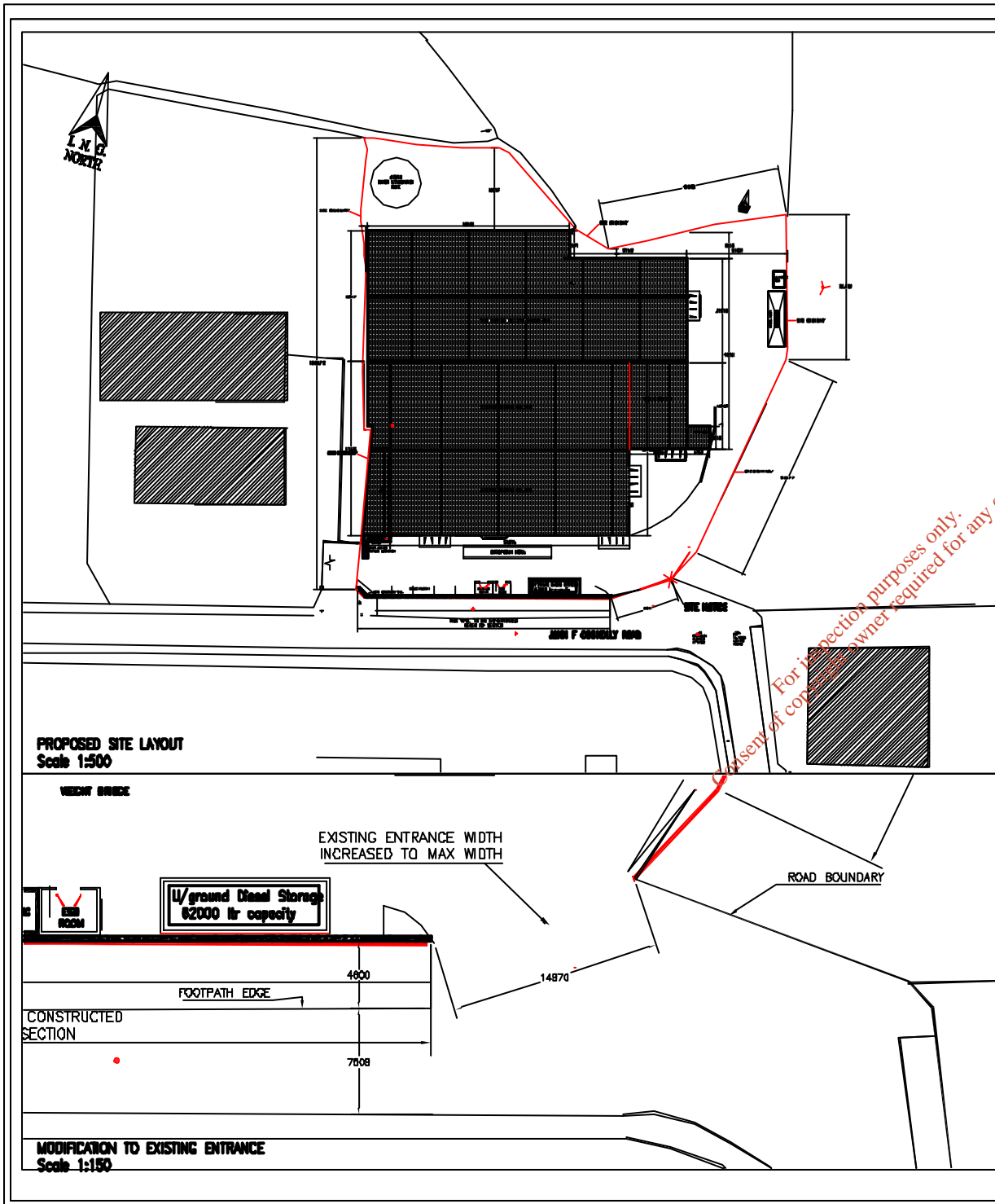
Proposed activities will include the sorting of construction and demolition waste prior to recycling off site at appropriate facilities.

D.1.u Any other infrastructure

Not applicable.

Appendix D1.1
Waste Quarantine Area

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SITE AREA 8739m²

BUILDING AREA TO BE DEMOLISHED 1336m²

NEW BUILDING AREA 2980m²

EXISTING BUILDING AREA 2300m²

TOTAL BUILDING AREA 5280m²

Issue No.	Date	By	Checked	Approved	Note Ref.	Date
00	03/08	RF	PL	PL		

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Client: Country Clean Recycling Ltd
 Churchfield Ind. Estate, John F. Connelly Road, Co. Cork

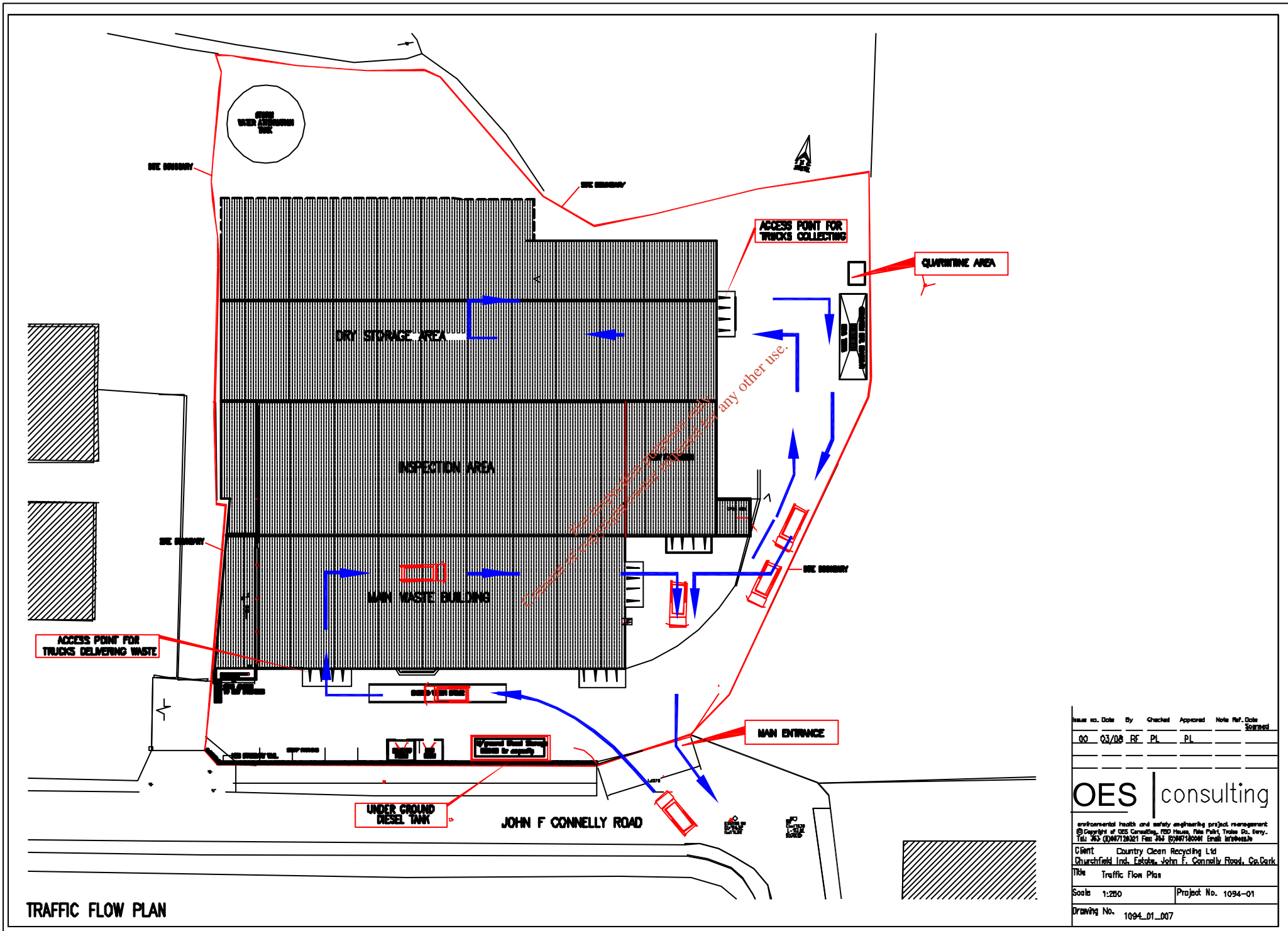
Title: Site Layout / Entrance & Wall Details

Scale: 1:500/80 | Project No. 1094-01

Drawing No. 1094_01_004

Appendix D1.2
Traffic Flow

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TRAFFIC FLOW PLAN

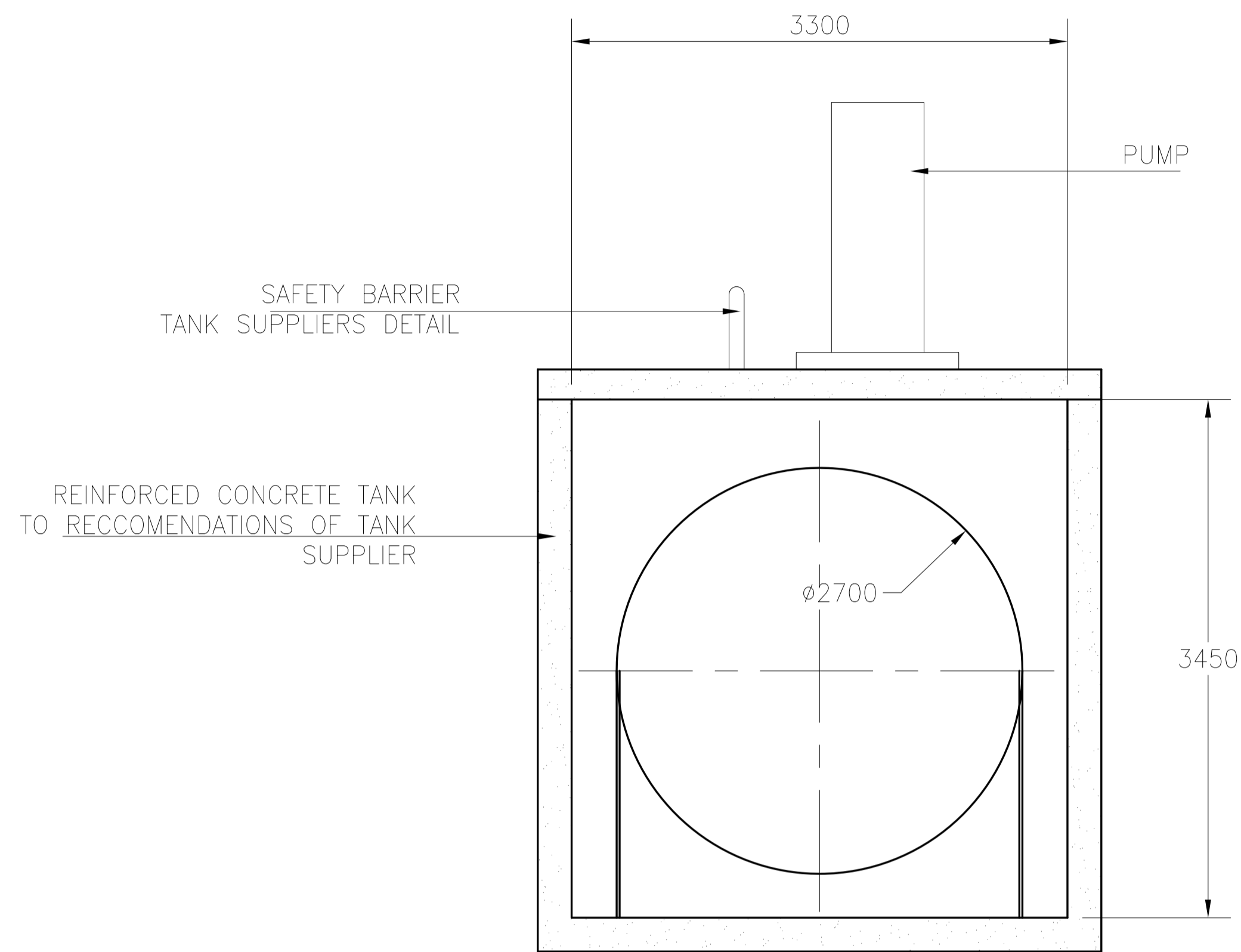
Issue no.	Date	By	Checked	Approved	Note Ref.	Date
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Client	Country Clean Recycling Ltd
Location	Churchfield Ind. Estate, John F. Connelly Road, Co. Cork
Title	Traffic Flow Plan
Scale	1:200
Project No.	1094-01
Drawing No.	1094_01_007

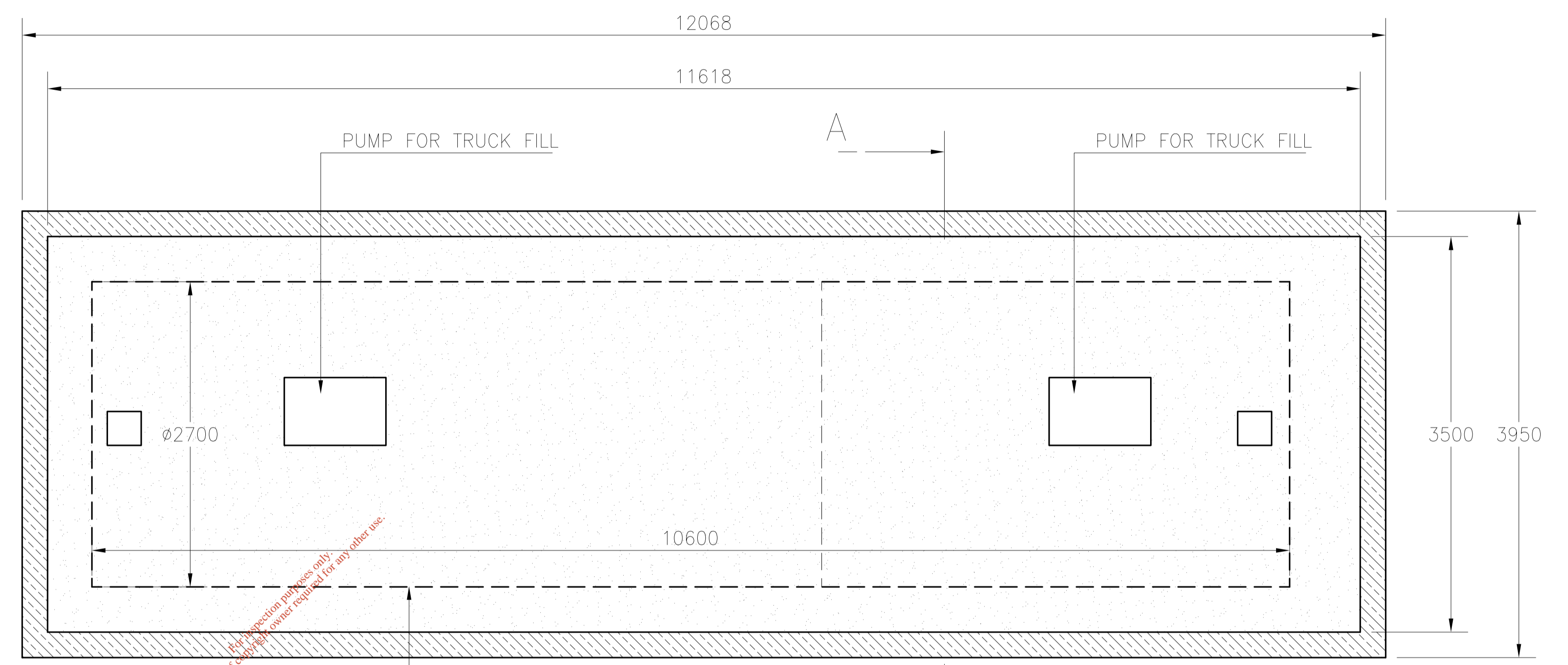
Appendix D1.3

Sewerage and surface water draining infrastructure

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SECTION A-A



PLAN

OUTLINE OF UNDERGROUND DIESEL STORAGE TANK
 2 No COMPARTMENTS
 52000LTRS WHITE DIESEL
 10000 LTRS GREEN DIESEL

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U/GROUND DIESEL STORAGE
 62000 LTR CAPACITY

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 Tel.: 353 (0)667128321 Fax: 353 (0)667180061 Email: info@oes.ie

Client Country Clean Recycling Ltd
 Churchfield Ind. Estate, John F. Connolly Road, Co.Cork

Title Site Location Map / Diesel Storage Tank Details

Scale 1:30 Project No. 1094-01

Drawing No. 1094_01_006



WASTE Application Form

D.2 Facility Operation

In **Attachment D 2** describe the plant, methods, processes and operations of the waste facility, as required by the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
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LANDFILLS

The following Sections D3 to D7 should only be completed for Landfill Applications. Reference should be made to the Agency landfill manual 'Landfill Site Design (2000)' when completing this section.

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D.3 Liner System

Complete the following table regarding the liner system to be used for the landfill/landfill extension and detail the information requested as **Attachment D.3. Items D3c to D3g should only be completed for immediate projects only (ie Years 1 & 2)**. A schedule of Liner construction activities for the medium to long term need only be listed in item D3a below, since Condition 3 of any licences granted will provide reporting requirements for any future projects.

TABLE D.3 LINER SYSTEM

		y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive		Not Applicable
D.3.b	What type of liner system is specified?		Not Applicable
D.3.c	Has a Quality Control Plan been specified?		Not Applicable
D.3.d	Has a Quality Assurance Plan been specified?		Not Applicable
D.3.e	Have independent, third-party supervision, testing and controls been specified?		Not Applicable
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?		Not Applicable
D.3.g	Has a leak detection survey been specified?		Not Applicable

D.4 Leachate Management

Complete the following table detailing leachate management arrangements. Further information should be included in **Attachment D.4**.

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

		y/n	Comments
D.4.a	Is there a Leachate Management Plan?		Not Applicable
D.4.b	Have annual quantities of leachate been calculated?		Not Applicable
D.4.c	Has the total quantity of leachate been calculated?		Not Applicable
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?		Not Applicable
D.4.e	Has a leachate collection system been specified?		Not Applicable
D.4.f	Has a leachate storage system been specified?		Not Applicable
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?		Not Applicable
D.4.h	Is leachate recirculation proposed/practised?		Not Applicable
D.4.i	Has leachate treatment on-site been specified?		Not Applicable
D.4.j	Has leachate removal been specified?		Not Applicable

D 5 Landfill Gas Management

All landfill sites should have suitable arrangements for the management of landfill gas. **Attachment D.5** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.5. **Items D5g to D5m should only be completed for immediate or current gas collection projects only (ie Years 1 & 2).** A schedule of gas management aspects for the medium to long term need only be listed in item D5f below, since Condition 3 of any proposed decision/licence will provide reporting requirements for any future projects.

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Table D.5. Landfill Gas Management

		y/n	Comments
D.5a	<p>Is there a Landfill Gas Management Plan?</p> <p>Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:</p>		Not Applicable
D.5b	Is there a passive venting system?		Not Applicable
D.5c	Does the passive system cover all of the filled area?		Not Applicable
D.5d	Have gas alarm systems been installed in the site buildings?		Not Applicable
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		Not Applicable
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		Not Applicable
D.5g	Is gas flaring undertaken at the site?		Not Applicable
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		Not Applicable
D.5i	Does the active system cover all of the filled area?		Not Applicable
D.5j	Is landfill gas used to generate energy at the site?		Not Applicable
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		Not Applicable
D.5l	Has a maintenance programme for the control system been specified?		Not Applicable

D.5m	Has a condensate removal system been designed?		Not Applicable
------	--	--	----------------

D.6 Capping System

Complete the following table detailing the design of the capping system. **Attachment D.6** should contain the appropriate documentation. **Items D6e to D6k should be completed for immediate projects only (ie Years 1 & 2).** Condition 10 of any proposed decision/licence will provide reporting requirements for capping requirements beyond this timeframe.

Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?		Not Applicable
D.6b	Has the intermediate cover been specified?		Not Applicable
D.6c	Has the temporary capping been specified?		Not Applicable
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		Not Applicable
D.6e	Does the Capping System include a flexible membrane liner?		Not Applicable
D.6f	Have all capping materials been specified?		Not Applicable
D.6g	Has a Method Statement for construction been produced?		Not Applicable
D.6h	Has a Quality Control Plan been produced?		Not Applicable
D.6i	Has a Quality Assurance Plan been produced?		Not Applicable
D.6j	Has a programme for monitoring landfill stability been developed?		Not Applicable
D.6k	Has a programme for monitoring landfill settlement been developed?		Not Applicable

SECTION E EMISSIONS

Give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

E.1 Emissions to Atmosphere

Details of all point emissions to atmosphere should be supplied. Table E.1.(i) (for Landfill Gas Flare emissions) must be completed for all landfills with a flare. Complete Table E.1(ii) and E.1(iii) for all other main emission points, including stack sources (incinerator stacks, landfill gas utilisation plants, air handling unit emissions etc.). Complete Table E.1(iv) for minor/fugitive/ground emission points.

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Attachment E.1

Emissions to Atmosphere

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment E.1 Emissions to Atmosphere

There are no point emissions to atmosphere associated with activities at the facility. There is some potential for dust generation associated with loading and unloading of waste loads and handling of construction & demolition waste.

Generation of dust is mitigated by:

- Regularly cleaning all hard standing areas within the facility with road sweeping equipment
- Water spraying of hard standing areas in periods of dry weather
- Segregation and sorting of waste within the Materials Recovery Facility

Waste received at the facility is unlikely to cause odours due to the following:

- Waste material will be stored and sorted within the Materials Recovery Facility.
- The waste will have undergone relatively little decomposition due to the quick turnaround times for removal of waste from the site.
- All municipal waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being deposited at the site.
- Construction and demolition waste, dry recyclable materials and wood shall not be stored on site or a period longer than 3 months.

It is unlikely that there will be any emissions to air or generation of odours as a result of operations at the facility.

These measures, together with good housekeeping practices and staff awareness will minimise dust emissions and odour generation, therefore it can be concluded that the emissions to atmosphere from operations at the facility will be minimal.

The Environmental Protection Agency air quality index is used to express complex air quality information in simple terms. Five bands are used in the Irish index which range from "very good" air quality to "very poor" air quality. The air quality near the Country Clean Recycling is classified as being of "Very Good Quality" in relation to the EU Air Framework Directive and EPA Air Quality Zones. The facility has the highest air quality index.

For further information relating to air emissions from the site please refer to the EIS.

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WASTE Application Form

E.2 Emissions to Surface Waters

Attachment E.2 Tables E.2(i) and E.2(ii) should be completed where relevant.

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Attachment E.2

Emissions to Surface Water

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment E.2 Emissions to Surface Water

Attachment E2 contains a copy of:

- Table E.2.(i) Emissions to Surface Water, see Appendix E.2.1
- Table E.2.(ii) Characteristics of the Emission, see Appendix E.2.2

There will be no emissions to surface water. All storm water collected on site will discharge to Cork City Councils storm water drainage system located to the north of the site. All roads and hard standing areas will be impermeable.

Surface water collected from the roof is directed to Cork City Councils storm water network located to the north of the facility. Roof runoff will be directed to a storm water attenuation tank. This tank will be designed to retain all storm flows arising within a 20year return period. A hydrobreak will be installed to so that the maximum allowable storm runoff to Cork City Council storm water system from the roofed area will be 4.5ltr/s

The following good housekeeping measures will be observed onsite to minimise the possibility of contamination of surface water run-off:

- All waste material which has the potential to leak will be stored within the Materials Recovery Building.
- All areas of hardstanding will be kept clean.
- Absorbent material will be available to clean up and contain accidental spillages.

Sampling of storm water runoff will not take place as all storm water runoff will be from uncontaminated areas. All foul emissions will be discharged to the Cork City Council's sewer system located to the north of the facility.

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Inspection plan only.
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Appendix E.2.1
Table E.2(i) Emissions to Surface Water

TABLE E.2(i): EMISSIONS TO SURFACE WATERS
(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SW1
Source of Emission:	Uncontaminated Roof Run-off only
Location :	North of Materials Recovery Facility
Grid Ref. (10 digit, 5E,5N):	E166034 N73677
Name of receiving waters:	Cork County council storm water network
Flow rate in receiving waters:	N/A m ³ .sec ⁻¹ Dry Weather Flow m ³ .sec ⁻¹ 95%ile flow
Available waste assimilative capacity:	N/A kg/day

Emission Details:

(i) Volume to be emitted			
Normal/day	m ³	Maximum/day	m ³
Maximum rate/hour	m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

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Appendix E.2.2
Table E.2(ii) Characteristics of the Emission to Surface Water

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TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : SW1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
<p>This discharge comprises rainwater from uncontaminated areas</p> <p>There is no current or proposed treatment of this rainwater</p>									

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WASTE Application Form

E.3 Emissions to Sewer

Attachment E.3 Tables E.3(i) and E.3(ii) should be completed, where relevant.

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Attachment E.3

Emissions to Sewers

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment E.3 Emissions to Sewers

Attachment E3 contains a copy of:

- Table E.3.(i) Emissions to Sewer, see Appendix E.3.1
- Table E.3.(ii) Characteristics of the Emission, see Appendix E.3.2

The Materials Recovery Facility is connected to Cork City Council Sewer system which traverses the northern boundary of the site. Leachate from the waste processing facility is currently treated in a Class I full retention oil interceptor prior to discharging to Cork City Council foul sewer. All surface water runoff from the paved areas of the site will also be directed through the existing oil interceptor prior to discharge into Cork City Councils foul water network located to the north of the facility.

All domestic foul effluent generated on the site discharges to Cork City Councils foul sewer located to the southwest of the site which is of a domestic nature.

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Appendix E.3.1
Table E.3(i) Emissions to Sewer

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TABLE E.3(i): EMISSIONS TO SEWER (One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	Sampling point 1 (SE1)
Location of connection to sewer :	North of the site, post oil interceptor
Grid Ref. (10 digit, 5E,5N):	E66135, N73604
Name of sewage undertaker:	Cork City Council

Emission Details:

(i) Volume to be emitted			
Normal/day	Unknown m ³	Maximum/day	m ³
Maximum rate/hour	Unknown m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr	_____hr/day	_____day/yr
---------------------------	-------------	-------------	-------------

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Appendix E.3.2
Table E.3(ii) Characteristics of the Emission to Sewer

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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l) 05/12/08	kg/day	kg/year	
<u>pH (pH) units</u>					<u>6-9</u>	<u>7.8</u>			
<u>Temperatures</u>					<u>18</u>				
<u>BOD</u>					<u>400</u>	<u>281</u>			
<u>COD</u>					<u>1100</u>	<u>374</u>			
<u>OFG</u>					<u>10</u>	<u>1</u>			
<u>Suspended Solids</u>					<u>300</u>	<u>58</u>			
<u>Conductivity</u>					<u>1500</u>	<u>3072</u>			

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E.4 Emissions to Groundwater

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

Table E.4(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.4**

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Attachment E.4

Emissions to Groundwater

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment E.4 Emissions to Groundwater

There will be no emissions to groundwater from the facility due to the presence of hardstanding areas. Also, any area which is used for the storage of liquids or hazardous waste will be fully bunded according to the Agency Guidance, "IPC Guidance Note on Storage and Transfer of Materials for Scheduled Activities".

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E.5 Noise Emissions

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.5**

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Attachment E.5

Noise Emissions

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment E.5 Noise Emissions

Noise emissions may arise from operational plant and the facility as well as from traffic to and from the site. The majority of waste processing operations are undertaken within the Materials Recovery Facility and as a result of its enclosed nature will attenuate and to minimise noise emissions from the site.

The primary sources of noise at the Waste Transfer Station are outlined as follows:

- Heavy goods vehicles (HGV's) delivering waste to and collecting waste from the site.
- HGV's tipping waste materials in the waste inspection area within the main waste building at the site.
- Material handling within the main waste building at the site.
- Shredding of timber
- background noise from vehicles travelling along John F. Connolly industrial road.

Traffic movements will be limited to normal opening hours and so operations at the facility will not be expected to have a significant impact on existing background noise levels. The EPA "Guidance Note for Noise in Relation to Scheduled Activities" state that noise from onsite activities should not exceed the following:

55 dBA Daytime (08:00-22:00)
45 dBA Nighttime (22:00-08:00)

A noise monitoring survey has been carried out to establish background noise levels at 7 no. monitoring points on the site of the proposed facility. Four of the measurements were taken at boundary locations around the site, one was taken at the timber shredder, and the two Noise Sensitive Locations located to the north of the site were also assessed.

Ref. Number	National Grid Reference	Boundary Monitoring Location
N 1	N166081 E 73528	Located to the southeast of the Materials Recovery Facility
N 2	N166064 E 73629	Located to the northwest of the Materials Recovery Facility
N 3	N166161 E 73630	Located to the northeast of the Materials Recovery Facility Located at the main entrance to the Materials Recovery Facility
N 4	N166155 E 73551	Located at the main entrance to the Materials Recovery Facility
N5	N166154 E 73580	Located near the wood shredder to the east of the Materials Recovery Facility
Ref. Number	National Grid Reference	Noise Sensitive Location
NSL 1	N166191 E 73590	Located on agricultural land to the east of the Materials Recovery Facility
NSL 2	N166117 E 73645	Located on agricultural land to the north of the Materials Recovery Facility

Results of the noise survey are outlined Tables 1 and 2 below.

Table: 1 Noise Monitoring Locations – Day Survey

Location reference	Duration (Minutes)	L _{Aeq}	L _{Amin}	L _{Amax}	L _{A10}	L _{A90}	Wind m/s
NL1	15	70.8	67.5	97.5	72.6	69.0	Calm
NL2	15	54.2	40.0	79.8	72.1	42.4	Calm
NL3	15	67.1	61.3	80.0	70.2	64.1	Calm
NL 4	15	57.6	50.9	90.9	69.2	51.8	Calm
NL 5	9	82.5	72.8	90.3	86.2	77.9	Calm
NSL 1	15	47.3	42.2	53.3	49.6	44.8	Calm
NSL 2	15	44.4	39.3	53.6	46.7	42.3	Calm

Table: 2 Noise Monitoring Locations – Night

Location reference	Duration (Minutes)	L _{Aeq}	L _{Amin}	L _{Amax}	L _{A10}	L _{A90}	Wind m/s
N1	15	39.9	35.6	44.8	41.9	38.0	Calm
N2	15	37.5	43.9	33.5	39.9	35.6	Calm
N3	15	36.2	31.7	43.4	38.2	34.1	Calm/ light breeze
N4	15	44.4	39.4	50.9	46.9	41.9	Calm
NSL 1	15	43.3	35.8	53.6	47.9	39.4	Calm
NSL 2	15	41.1	37.2	45.9	42.4	39.8	Calm

The boundary measurements ranged from 42.3-69.0 LA₉₀ daytime (15min) to and LA₉₀ 34.1-41.9 nighttime. It was noted in the survey

The report noted that onsite monitoring locations were influenced by activities occurring in the nearby industrial estate and traffic passing on the road.

Two Noise Sensitive Locations (NSL) located in agricultural lands to the north and west of the site were monitored. Results were noted to be in compliance with the Environmental Protection Agency limits of 45 dB(A) LAeq during the night- time, and 55 dB(A) LAeq at during the daytime.

Full details of the noise monitoring and assessment for the facility can be seen in the Environmental Impact Assessment.



WASTE Application Form

E.6 Environmental Nuisances

Attachment E.6 should contain the appropriate documentation. Information provided should follow the sequence, and use the headings as relevant established in Table D.6. Additional advice on completing this section is provided in the Guidance Note.

TABLE E.6 ENVIRONMENTAL NUISANCES

Table with 3 columns: Nuisance Type, Control Method Status, and Response (yes/no/not applicable). Rows include Bird Control, Dust Control, Fire Control, Litter Control, Traffic Control, Vermin Control, and Road Cleansing.

Attachment E.6

Environmental Nuisances

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment E.6 Environmental Nuisances

The following emissions may cause or contribute to nuisance in the area:

- Odour/air emission control procedure
- Vermin and Pest control
- Litter control procedure
- Environmental emergency handling procedure

Dust Control

Dust levels will be kept to a minimum on site as all areas are paved and high levels of housekeeping will be maintained. Waste will be sorted within the Materials Recovery Building to minimise dust emissions. Regular sweeping of access roads and all areas of hard-standing, in particular areas around the compactor and waste receptacles, will help maintain low dust levels.

For further information relating to dust minimisation please refer the EIS.

Fire Control

Fires will be treated as an accident/emergency situation and dealt with in accordance with the site emergency procedures:

The following measures will minimise the risk of fire:

- Site staff will be trained in the site emergency procedures in the event of fire
- Site visitors will be made aware of emergency procedures
- Appropriate fire fighting equipment will be available on site
- Storage of flammable liquids on site will be kept to a minimum
- Fire fighting equipment will be maintained and inspected regularly
- Fire alarms will be tested regularly

For further information relation to fire control please refer to Attachment J of the Waste Licence Application.

Litter Control

Good housekeeping procedures and the sorting and segregation of waste indoors ensures that the generation of litter on site is kept to a minimum. No waste that can be windblown is deposited outside the transfer building thus preventing this source of litter.

The site operatives are responsible for ensuring that any waste is sorted into designated storage areas and bays, and that windblown yard litter is removed as soon as possible.

Within the confines of the boundary of the site there is a potential for litter to be windblown and scattered as a result of the transfer operations. However, the mitigation in this event the following procedures will be implemented to ensure it does not become a nuisance:

- The site inspected once a week for nuisance caused by litter.

- All litter on the site and its environs is removed to the waste transfer building on a daily basis.
- Any waste discovered in the facility, other than in the transfer building, is removed as soon as possible.
- Any debris that may be deposited on the access road to the facility by vehicles entering or leaving the facility is removed as soon as discovered.
- Only timber and glass are stored outside the facility pending removal off-site.

Please refer to the EIS for further details on litter control.

Traffic Control

There are currently 11 skip vehicles, 17 refuse vehicles and 1 (20ft) curtain sider in operation, at the facility. All of the refuse vehicles are currently parked at a rented premises in Castletownroche. The other vehicles are parked off site at a number private premises.

Traffic entering the facility is restricted to a 15kph speed limit. Traffic delivering/collecting waste from the facility do so by using a new entrance located off John F. Connolly Road.

All waste collection vehicles entering and leaving the facility will pass over the weighbridge. Once approved they will deposit their loads onsite by driving through the doors located to the south of the Waste Transfer Building and then tipping within the Materials Recovery Facility. The waste transfer vehicles will then proceed to drive out the eastern door of the building and out the exit located to the south of the facility.

Further information relating to traffic control at the site please refer to the EIS.

Vermin Control

The nature of the material in particular municipal waste material that is treated at the facility will inevitably attract vermin in the form of rodents and insects.

The fast turnaround of waste materials, improved housekeeping practices and the conduction of weekly pest patrols will act to mitigate and to control the vermin on-site. Country Clean Recycling will employ a Pest Control Company to provide an Integrated Pest Management Service to the facility.

The system includes the following elements:

Monitoring Schedules: Early detection of pest arrival, pest movement and appraisal of action success.

Pest Prevention Strategies: Developed in parallel and cross-referenced with monitoring schedules.

Rodent Monitoring and Control

A number of external control and internal stations will be used as primary control/monitor against rodent incursions. These stations are tamper resistant. Each station will be mapped, numbered and contain block-bait formation rodenticide for monitoring and control. All stations will be checked at each service inspection.

Flying Insect Monitoring and Control

During periods of hot weather flying insects will be suppressed by applying an insecticide. Additional applications will be made if required.

All insecticide applications will be applied in accordance with strict manufacturer's guidelines, and will be applied as crack and crevice treatments or as space spray or fog. The effectiveness of the insecticide residues will be assessed as part of site inspections.

Road Cleaning

The site roads will be maintained in a clean and tidy state at all times. This will eliminate any potential for soiling of the public roads outside the facility. In the unlikely event of public roads being soiled, a road sweeper vehicle will be employed to rectify the situation.

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SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility. Details of treatment/abatement systems (air and effluent emissions) should be included, together with appropriately scaled schematics ($\leq A3$) as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and appropriately scaled schematics ($\leq A3$) of all abatement systems.

Attachment F.1 should contain any supporting information.

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F.2- F. 9. Monitoring and Sampling Points

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as **Attachments F.2 to F.6** and meet the advice published by the Agency in the relevant BAT Note. For Landfills the additional **Attachments F.7 to F.8** should be completed. Furthermore for a landfill application the applicant must refer to the Agency *Landfill Monitoring Manual (2003)* for further details on monitoring requirements for proposed facilities.

Include details of monitoring/sampling locations and methods.

F.2 Air
- to include Dust, Odour

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

F.3 Surface Water

Monitoring of surface water shall be carried out at not less than two points, one upstream from the waste facility and one downstream.

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

F.4 Sewer Discharge

Monitoring of sewer discharge shall be carried out at the point specified by the local authority/Agency.

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.5 Groundwater

Groundwater monitoring is required at all landfill facilities; and certain other waste facilities depending on waste activities and the underlying aquifer vulnerability.

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
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WASTE Application Form

Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.6 Noise

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

F.7 Meteorological Data

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

Application for Landfills require the additional Attachments F.7 to F.8, to be completed:

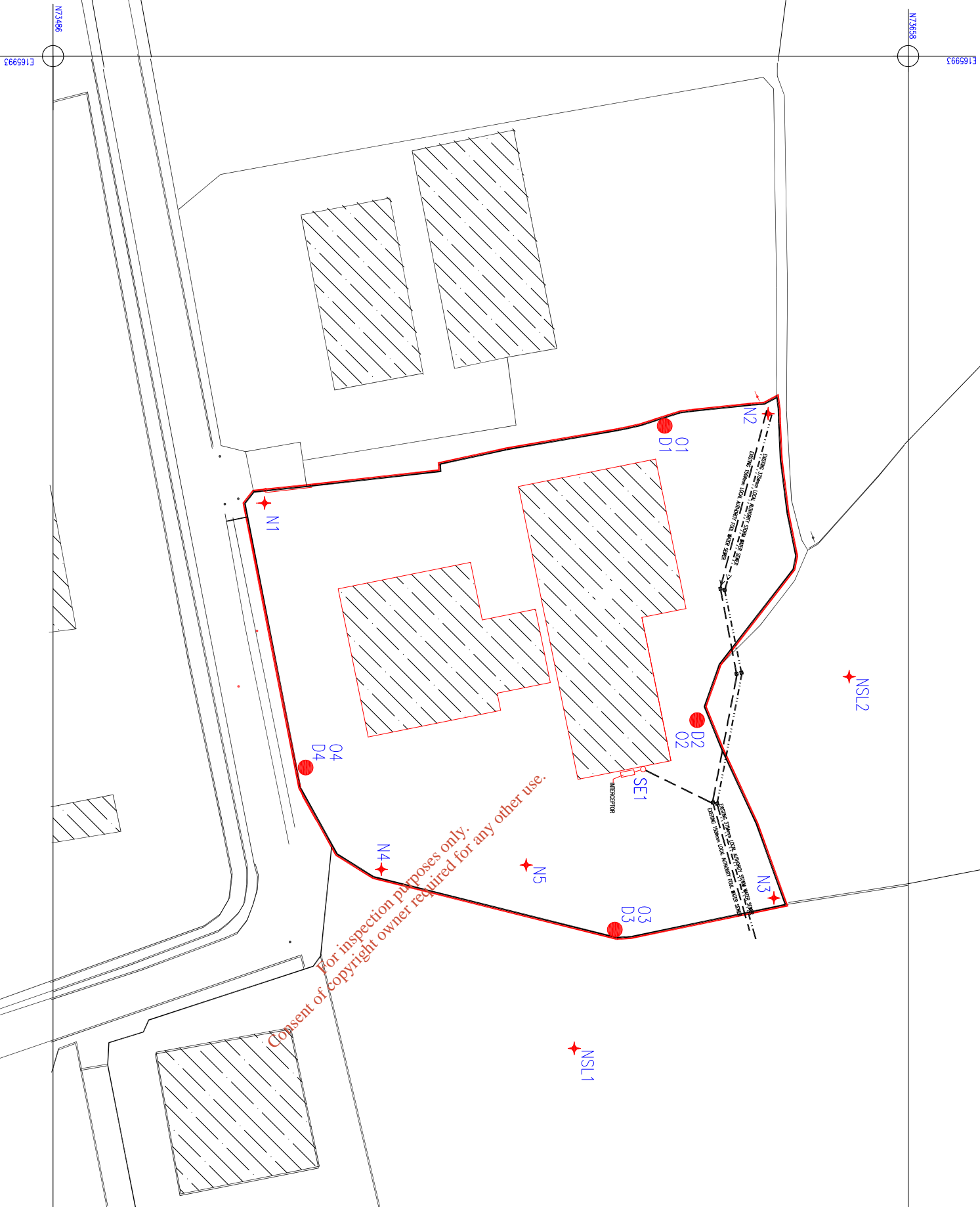
F.8 Leachate

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

F.9 Landfill Gas

Complete each of the following tables to show whether information has been included on aspects of landfill gas monitoring. Attachment F.9 should also contain information to show whether the data given in Tables F.9.(a) and F.9.(b) below represents actual or anticipated data. Complete Table F.9 as follows:

Appendix F.1 Proposed Air, Noise, Water Monitoring Location Map



LEGEND



SITE LOCATION

Proposed Noise Monitoring Locations

★ N1	166081	73528
★ N2	166064	73629
★ N3	166161	73630
★ N4	166155	73551
★ N5	166154	73580
★ NSL1	166191	73590
★ NSL2	166117	73645

Proposed Dust Monitoring Locations

● D1	166066	73608
● D2	166125	73615
● D3	166167	73598
● D4	166135	73536

Odour Monitoring Locations

● 01	166066
● 02	166125
● 03	166167
● 04	166135

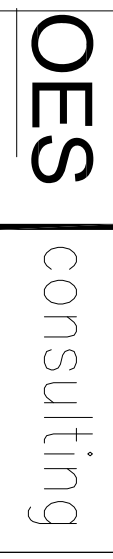
Surface Water Monitoring Locations

Foul Water Monitoring Locations

○ SE1	166135	73604
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Issue no.	Date	By	Checked	Approved	Note Ref.	Date Scanned
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00	11/08	RF	PL	PL		
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environmental health and safety engineering project management
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 Tel.: 353 (0)667128321 Fax: 353 (0)667180061 Email: info@oes.ie
 Client Country Clean Recycling

Title Monitoring Locations

Scale 1:1000	Project No. 1094-01
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Drawing No. F_109401_000_A

Attachment F.1

Treatment, Abatement and Control Systems

**Country Clean Recycling Ltd,
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment F.1 Treatment, Abatement and Control Systems

Attachment F.1 contains a copy of:

- **Appendix F.1.** Class I Full Retention Oil Interceptor

The proposed technologies and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility are detailed in the EIS.

To Atmosphere

The management of the site including waste handling and other facility procedures employed serve as successful abatement techniques.

All waste-related activities are currently and will continue to be restricted to the Materials Recovery Facility. The hard standing areas of the site are periodically sprayed with water during periods of dry weather. All waste is covered while being transported to the facility. These measures reduce the generation of dust to the atmosphere.

All waste with a biodegradable fraction is temporarily stored and removed offsite within 48 hours of arrival. This reduces the generation of potential odour nuisance. Odour patrols are undertaken on a regular basis, and in the event of a nuisance an odour suppressive mist is deployed to remediate the situation.

Storm water Runoff

Storm water from the yard (with the exception of roof areas) is treated via a Class I Full Retention Oil Separator prior to discharging to a 375mm diameter pipe into Cork City Council the foul water system. The oil interceptors are emptied and cleaned on a regular basis.

Sewage Treatment

Sewage systems from the offices on site are connected to the Cork City Council foul water network to the north of the facility.

Effluent from processing

Effluent leachate generated from processes within the Material Recovery Facility flows into a Class I Full Retention interceptor for oil and solids separation. The oil and solids separator is connected directly to the Cork City Councils foul water network located to the north of the site.

Ground & Groundwater

There are no direct discharges to the ground or groundwater from the site, but there is limited potential for indirect discharges. All internal areas within the site are covered with hardstanding materials and are in good condition. Some external areas have not yet been covered in hard standing material, i.e. the east and to the north of the site. There are no uncontrolled access points to the surface water or foul sewers

from within the building and there is no storage of waste or raw materials outside of the building.

All liquid storage areas located in the facility are provided with appropriate secondary containment. Refueling of the onsite fuel tank will be undertaken at a dedicated location inside the building. Country Clean Recycling will undertake visual inspections of the site and all working areas on a weekly basis. It is not proposed to install monitoring boreholes on the site or to carry out any routine monitoring of soil or groundwater.

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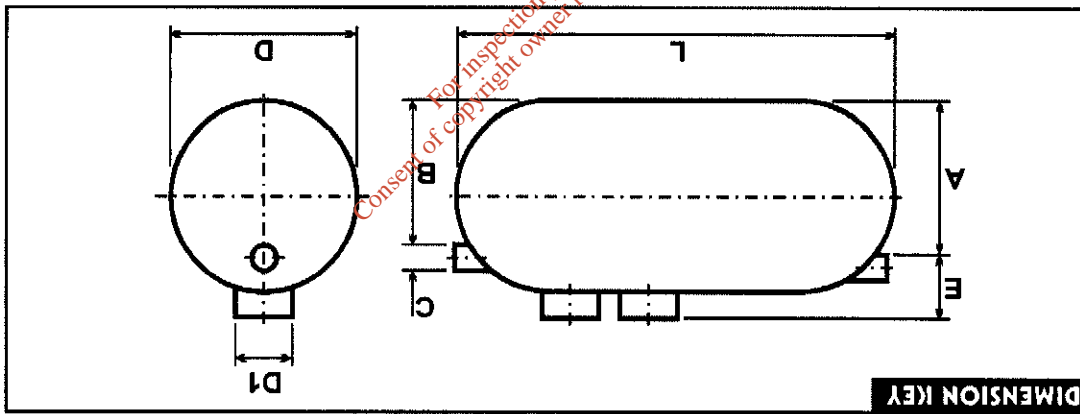
Appendix F.1.1
Class I Full Retention Oil Interceptor

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TDS0031K - Nominal Size Class 1 & Class 2 Full Retention Separators

CLASS 1 & CLASS 2 FULL RETENTION SEPARATORS

Unit Nominal Size.	Flow (l/s)	Drainage Area (m ²) (0.018)	Silt Storage Capacity Litres	Oil Storage Capacity Litres	Length (L)	Unit Dia. (D)	Manhole Cover Dimensions (D1)	Base to Inlet Invert (A)	Base to Outlet Invert (B)	Min. Inlet Invert (E)	Standard Pipework Dia. (C)
NS 3	3	170	300	30	1760	1225	600x900	1050	1000	500	200
NS 6	6	335	600	60	1760	1225	600x900	1050	1000	500	200
NS 10	10	555	1000	100	2610	1225	600x900	1050	1000	500	200
NS 15	15	835	1500	150	3910	1225	600x900	1050	1000	500	200
NS 20	20	1115	2000	200	3200	2010	600	1850	1800	1000	200
NS 30	30	1670	3000	300	3915	2010	600	1850	1800	1000	315
NS 40	40	2225	4000	400	4640	2010	600	1850	1800	1000	315
NS 50	50	2780	5000	500	5425	2010	600	1810	1760	1000	315
NS 65	65	3610	6500	650	6850	2010	600	1810	1760	1000	315
NS 80	80	4445	8000	800	6700	2820	600	2500	2450	1000	315
NS 100	100	5560	10000	1000	6200	2820	600	2500	2450	1000	400
NS 125	125	6945	12500	1250	7365	2820	600	2500	2450	1000	450
NS 150	150	8335	15000	1500	8675	2820	600	2550	2450	1000	500
NS 175	175	9725	17500	1750	9975	2820	600	2550	2450	1000	550
NS 200	200	11110	20000	2000	11280	2820	600	2550	2450	1000	600



All dimensions are in millimetres. Units >NS 20 have multiple necks fitted. Units >NS 80 have multiple coalescers

To specify a Klargester Class 1 or 2 Full Retention Separator, the following information is needed:

- The calculated flow rate NS or the drainage areas served.
 - Our designs are based on the assumption that any interconnecting pipework fitted elsewhere on site does not impede flow into or out of the separator. Run-off from low risk areas, such as roofs, should not be connected to a separator. If this cannot be avoided, the separator must be re-sized to take into account the additional flow. Influent must not be pumped.
 - The required discharge standard.
 - I.e. a unit to meet Class 1 (<5 mg/l) or Class 2 (<100 mg/l) Oil-as demonstrated during the test procedure
 - The drain inlet invert depth.
 - The difference between the drain invert depth and the minimum invert (E), rounded up to the nearest half metre, is the length of extension shaft(s) needed.
- Extension shafts kits, for site fitting are available in 0.5 metre increments. The maximum recommended invert depth for these separators is 2.0/2.5m total. The kit includes coalescer extension handles. Units may be installed at greater depths with an appropriate civil engineering design and you must make suitable provision for coalescer removal and maintenance.
- Oil Alarm System. See separate Data sheet for available options.
 - With or without an Oil Probe tube.
- The table indicates the standard pipework fitted. Up to and including 315mm ID, the pipe is PVCu spigot. >450mm are GRP connectors. The standard sizes stated are generally those required by EN 858. By request, alternate larger sizes can be fitted however, please note we do not alter internal pipework dimensions and alternate pipework selections will generally be fitted external to the standard.



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TDS0031K NOMINAL SIZE CLASS 1 & CLASS 2 FULL RETENTION SEPARATORS

INTRODUCTION

Klargester are very pleased to provide a revised range of separators

under the new code of NS. Nominal size. The NS code denotes the flow at which the separator operates. The British Standards Institute (BSI) have tested the required range (up to 30l/sec) of Klargester full retention separators and have certified their performances in relation to their flow and process performance. Klargester were the first UK manufacturer to have the required product range certified in the UK. The designs of larger separators, greater than NS30, are based on the parameters identified during the witnessed performance testing.

Klargester NS Class 1 and Class 2 Full Retention Separators (NS-30) are certified as complying with the latest Environment Agency Pollution Prevention Guidelines PPG3. They are designed in accordance with EN 858 (Part 1). The use of an oilwater separator is required wherever there is the risk of hydrocarbon pollutants causing contamination at the point of discharge i.e. an open ditch, river, stream or groundwater.

ONLY certified NS separators should be installed, in accordance with the Environment Agency guidelines. Klargester NS separators treat the whole of the specified flow. The calculated drainage areas served by each separator are indicated according to the PPG 3 formula, $NS = 0.018(m^2)$.

Each separator design includes the necessary requirements for :-
 • Oil storage volume
 • Silt storage capacity
 • Coalescer, Class 1 units only.
 • Automatic Closure Device - to retain excess stored oil and avoid contaminating the discharge.

Klargester Separators are frequently specified & accepted by Local Authorities, major contractors and environmental regulatory bodies. Separators are tested & performance sampled, certified by the BS.

Light and easy to install.
 Comprehensive range.
 Class 1, & Class 2 designs.
 Silt storage volume inclusive.
 Rapid availability.
 Fitted inlet/outlet connectors.
 Vent points within necks.
 Extension access shafts for deep inverts.
 Maintenance from ground level.
 Optional separate tube to contain oil probe to operate excess oil Alarm System.

APPLICATION
 Full Retention Separators are used in high risk spillage areas such as Fuel distribution depots, Vehicle workshops & Scrap yards.
 Low risk areas such as open car parks may be suitable for Bypass Separators - see separate data sheet. Reference should be made to EA/SEPA Guidelines PPG 3 when selecting a separator.
 NOTE: You cannot pump contaminated water into these separators. The feed must be by gravity only.

PRODUCT SELECTION
 To select the correct Class 1 or Class 2 Full Retention Separator for your application, turn to the table overleaf.
 Alternatively consult our Technical Sales Department at our head office in Aston Clinton. ☎ 01296 633014.
 Klargester have experienced technical representatives operating throughout the UK who can offer on-site advice. Alternative Design

OPERATION

Separators are available for use with vehicle wash facilities. Garage forecourts require the Klargester 'Enviroceptor' Forecourt Separator.

Contaminated water enters the unit, the internal design and configuration ensures that the liquid is retained for a sufficient period to ensure quiescent conditions within the Separator. Lighter than water pollutants, such as oils and petrol, rise to the surface of the water and are retained within the separator. Separated liquid discharges. An automatic closure device seals off the outlet when the retained oil reaches the pre-determined level. Retained oil must be emptied from the unit once the level of oil is reached and the closure device operated.
 Separators must operate under gravity only. They should not be connected to pumped inlets as this will seriously affect the performance of the unit.
 Class 1 separators include a coalescer unit to produce an improved discharge effluent quality. In BSI witnessed performance tests, our units produced effluent with less than the maximum allowable level of 5mg/l oil. Class 2 units do not have a coalescer. In the witnessed performance tests, our units produced effluent with less than the maximum allowable level of 100mg/l oil.

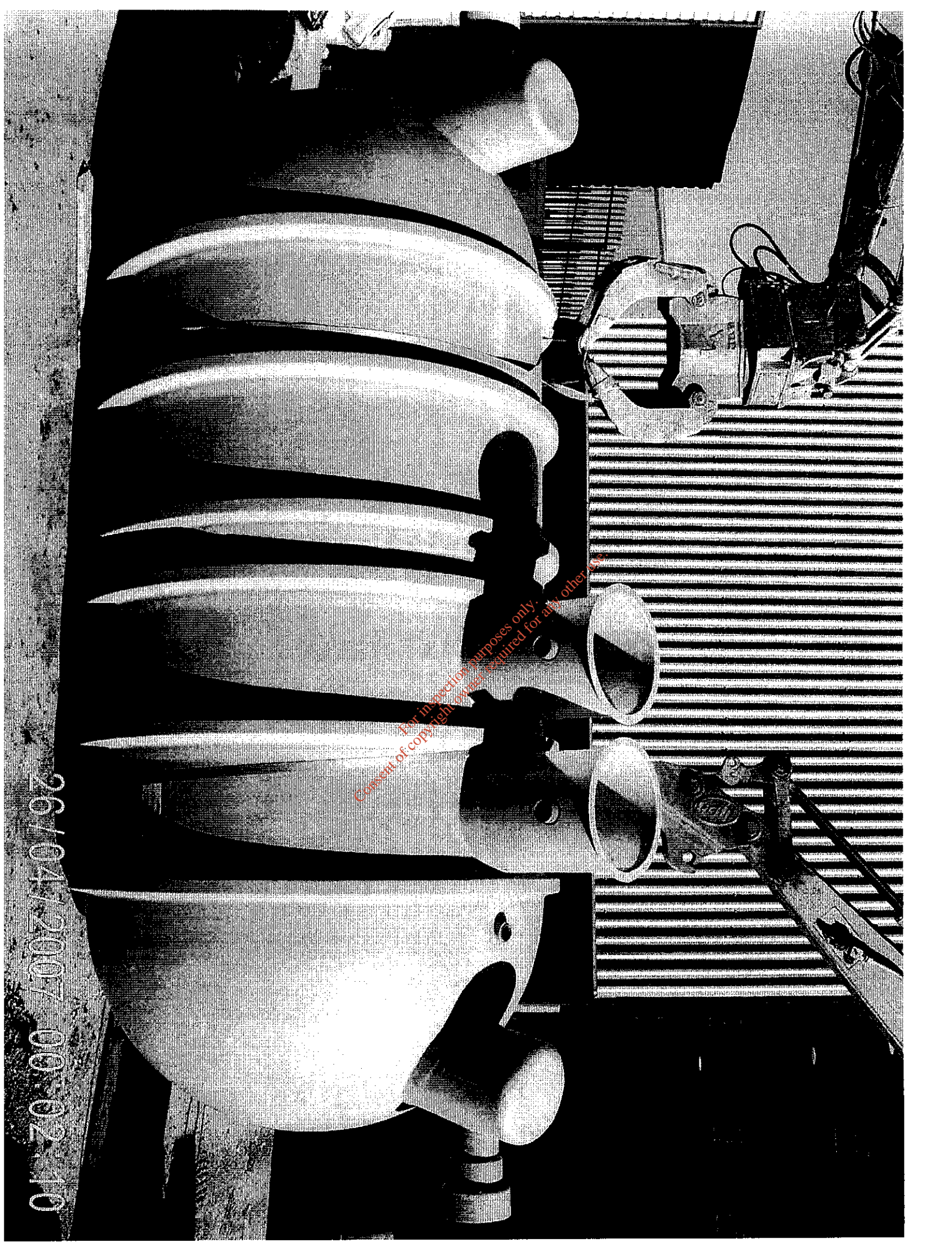
OIL LEVEL ALARM
 Alarm systems are required and are available to meet PPG 3 guidelines. In quiescent conditions, a visual and audible warning is provided by the control unit to indicate when removal of the retained hydrocarbons is required. The alarm is triggered by a probe which activates when the oil stored in the separator reaches 90% of the allowable oil storage volume. Alarm Control Units are available as mains battery & solar powered. We recommend that the oil probe is fitted within a dedicated tube located either in the body of the unit or within the access neck. The dedicated tube aids operation of the probe, provides easy access for maintenance and reduces the chance of damage during emptying and coalescer removal. Please request when ordering the separator.

CONSTRUCTION & QUALITY
 Klargester oilwater separators are manufactured from durable, rot and corrosion proof glass reinforced plastic, combining light weight with outstanding strength.
 The range of separators (NS-30/lsec) has been certified as meeting the Environment Agency's PPG 3 requirements. All Klargester products are manufactured and accredited to BS EN ISO 9002 Quality Management System.

INSTALLATION
 The unit should be installed on a suitable concrete base slab and surrounded with a concrete backfill. If the separator is to be installed within a trafficked area, a suitable cover slab must be designed to ensure that superimposed loads are not transmitted to the top or side walls of the unit. Separators should be vented in accordance with BS8301:1985: Building Drainage or Health and Safety Guidance Note HS (G)41 for filling stations subject to Local Authority requirements. Detailed installation guidelines are supplied with each unit.

MAINTENANCE
 Hydrocarbon pollutants and silt, which build up within the separator, must be periodically removed to ensure that maximum effectiveness of the unit is maintained. The coalescer assembly should be inspected & cleaned at the same time. When required, the coalescer media can be replaced. In the event of a major pollutant spillage, or if the oil level alarm activates, stored pollutants should be removed from the unit immediately. Separator waste is a "special waste" under the terms of The Waste Management Code of Practice.

Issue	Description	Date
02	CC326	February 2006



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26/04/2007 00:02:10



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Attachment F.2

Air – Monitoring and Sampling Points

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment F.2 Air – Monitoring and Sampling Points

Attachment F.2 contains a copy of:

- **Appendix F.2.1** Table F.2 Air Emissions and Monitoring Points

Country Clean Recycling Ltd., currently operated a dust management scheme whereby the following measures are implemented to mitigate dust emissions from the facility

- All processes will take place within the confines of the Materials Recovery Buildings to minimise the potential for dust emissions
- Watering and cleaning of site roads during long dry weather conditions to suppress dust emissions as appropriate;
- Proper maintenance of diesel engines and plant machinery to minimise visible smoke which may contribute towards local nuisance.
- Regular maintenance and cleaning of all roads i.e. use of a vacuum road sweeper or similar to remove drag-out of silt from trucks leaving the site.

Furthermore it is proposed to install a wheel washer on the exit to the site in order to reduce the potential for dust emissions to be transported onto John F. Connolly Road.

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Appendix F.2.1

Table F.2 Air Emissions Monitoring and Sampling Points

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TABLE F.2: AIR EMISSIONS MONITORING AND SAMPLING POINTS

Emission Point Reference No(s). : _____

Parameter	Locations	Monitoring frequency	Accessibility of Sampling Points	Analytical Method
Dust	D1 N166066 E73608	3 times a year	Suitable	VD1 2119
Dust	D2 N166125 E73615			
Dust	D3 N166167 E73598			
Dust	D4 N166135 E73536			

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Attachment F.3

Surface Water – Monitoring and Sampling Points

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment F.3 Surface Water – Monitoring and Sampling Points

There are no discharges to surface waters and therefore no surface water monitoring points.

All roof runoff will be separated from paved runoff and will be directed through a storm water attenuation tank directly to the Cork City Councils storm water connection to the north of the site. No sampling of roof runoff will be undertaken because it originates from a non contaminated area.

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Attachment F.4

Sewer Discharge – Monitoring and Sampling Points

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment F.4 Sewer Discharge – Monitoring and Sampling Points

Attachment F.4 contains a copy of:

- **Appendix F.4.1** Table F.4 Sewer Discharge Emissions Monitoring

It is proposed to monitor process water post treatment in a Class I Full Retention Oil interceptor prior to entering the Cork City Council sewer pipeline.

Monitoring of surface water runoff from all paved areas will take place post oil interceptor and prior to the connection with Cork City Councils Foul network. All surface runoff from the paved areas and the leachate from the processing area will be directed through the oil interceptor prior to discharge to foul network north of the site. Sampling will take place at the outlet of the oil water interceptor. One sampling round was undertaken in December 2008 and the results are below.

Sampling Location SE1 03/12/2008		
Parameter	Unit	Result
BOD	mg/l	281
Total Suspended solids	mg/l	58
Oils fats and Greases	mg/l	1
Electrical conductivity	uS/cm	3072
pH	pH units	7.8
COD	mg/l	374

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Appendix F.4.1
Table F.4 Sewer Discharge Monitoring and Sampling Points

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TABLE F.4: SEWER DISCHARGE EMISSIONS MONITORING AND SAMPLING POINTS

Emission Point Reference No(s). : _____

Parameter	Monitoring frequency	Accessibility of Sampling Points	Analytical Method
Oils fats and greases	Quarterly	Suitable	Standard Method
Heavy metals	Quarterly	Suitable	Standard Method
Nitrogen	Quarterly	Suitable	Standard Method
Biochemical Oxygen Demand	Quarterly	Suitable	Standard Method
Chemical Oxygen Demand	Quarterly	Suitable	Standard Method
Conductivity	Quarterly	Suitable	Standard Method
Mineral Oil	Quarterly	Suitable	Standard Method

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Attachment F.6

Noise – Monitoring and Sampling Points

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment F.6 Noise – Monitoring and Sampling Points

Attachment F.6 contains a copy of:

- **Appendix F.6.1** Noise Emissions Monitoring and Sampling Points

The following noise locations are proposed:

- It is proposed to monitor four noise boundary locations (N1-N4) located to the north, south, east, and west of the facility.
- It is proposed to monitor noise emissions from the shredder (N5)
- It is proposed to monitor Noise Sensitive Locations to the north and east of the facility (NSL1, NSL2).

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Appendix F.6.1
Table F.6 Noise Monitoring and Sampling Points

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TABLE F.6: NOISE EMISSIONS MONITORING AND SAMPLING POINTS

Emission Point Reference No(s). : N1, N2,N3,N4,N5,NSL1,NSL2

Parameter	Location	Monitoring frequency	Accessibility of Sampling Points
N1 (N166081 E 73528)	South Eastern boundary of Facility	Annually	Good
N2(N166064, 73629)	North-eastern boundary of Facility		
N3(166161 73630)	North-western boundary of Facility		
N4(166155, 73551)	South-western boundary of Facility		
N5(166154, 73580)	Wood Shredder		
NSL2(116191, 73590)	Located on agricultural land to the north of the Materials Recovery Facility		
NSL2(166117, 73645)	Located on agricultural land to the east of the Materials Recovery Facility		

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Table F.9 (a) Landfill Gas Monitoring for existing landfill gas flares / utilisation plants

Parameter	Concentration (mg/Nm ³)	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
Inlet					
Methane (CH ₄) % v/v					
Carbon dioxide (CO ₂) %v/v					
Oxygen (O ₂) % v/v					
Outlet					
Volumetric Flow Rate					
SO ₂					
Nox					
CO					
Particulates					
TA Luft Class I, II, III organics					
Hydrochloric acid					
Hydrogen Fluoride					

Table F.9(b) Landfill Gas Monitoring

Parameter	Proposed Frequency of Analysis		Information Included Y/N	Method of Analysis	Information Included Y/N
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH ₄) % v/v					
Carbon Dioxide (CO ₂) % v/v					
Oxygen (O ₂) % v/v					
Atmospheric Pressure					
Temperature					

Table F.9 (c) Landfill Gas Infrastructure

Equipment	Monitoring Frequency	Information Included Y/N	Monitoring Action	Information Included Y/N
Gas Collection System				
Gas Control System				

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

Attachment G.1 should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, should be used in the description of these materials, substances, etc., where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment G.1

Raw Materials, Substances, Preparations and Energy

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment G.1 Raw Materials, Substances, Preparations and Energy

Attachment G1 contains a copy of:

- Table G.1 Details of Process Related Raw Materials, Intermediates, Products etc., see Appendix G.1.1

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Appendix G.1.1
Table G.1 Details of Process Related Materials, Intermediates, Products etc.

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Table G.1 Details of Process Related Raw Materials, Intermediates, Products

Raw Material	Units	Storage Location	Volume Stored	Consumption /Annum 2007	Supplier
Water	M3	Local Authority	-	2,005 M ³	Cork City Council
Odour Neutraliser	Litres	Transfer Station Bund	300 L(25Lx12)	1,200 L	PCP Group, PCP House, Ballymore Eustace, Co. Kildare.
Hydraulic Oil	Litres		400 L	780 L	Michael Ryan Lubricants & Co. Ltd. Ballinascarthy, Clonakility, Co.Cork
Engine Oil	Litres		275 L	3,650 L	Michael Ryan Lubricants & Co. Ltd. Ballinascarthy, Clonakility, Co.Cork
White Motor Diesel	Litres		4,000L	176,810 L	South of Ireland Petroleum Co Ltd Centre Park rd Cork Co. Cork
Green Diesel Oil**	Litres		4,000L	145,200 L	South of Ireland Petroleum Co Ltd Centre Park rd Cork Co. Cork
Paint. Fast Drying Primer (Selemix System)	KG		90kg	220 KG	Crowley Chemicals Ltd Sth Link pk Ballycurreen Cork Co. Cork
Coolant	Litres		100 L	200 L	Michael Ryan Lubricants & Co. Ltd. Ballinascarthy, Clonakility, Co.Cork
Degreasing Solvent	Litres		50 L	150 L	Michael Ryan Lubricants & Co. Ltd. Ballinascarthy, Clonakility, Co.Cork
Multipurpose Grease	KGs		20 Kg	780 Kg	Michael Ryan Lubricants & Co. Ltd. Ballinascarthy, Clonakility, Co.Cork
Satin Black Aerosol Spray	Litres		20 Litres	98 Litres	Crowley Chemicals Ltd Sth Link pk Ballycurreen Cork Co. Cork

** Green Diesel used for:

- Onsite machinery (Forklifts, Loaders etc),
- 2 on site Trommels/Screeners,
- Shredder.
- Generator for baler.
- Geneartor for picking lines and stone crusher,
- Geneartor for steel baler

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WASTE Application Form

G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided in **Attachment G.2.**

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

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Attachment G.2

Energy Efficiency

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment G.2 Energy Efficiency

Owing to the contribution of energy costs to overall operating costs at the Country Clean Materials Recovery Facility (MRF), energy efficiency is a high priority and actual energy consumption is closely tracked.

Energy consumption at Country Clean Recycling in 2007, with the exception of the site generators, was 147,541 KWh. The main users of electricity in the facility include processing equipment, vehicles, and lighting.

Energy consumption at the facility is tracked on an annual basis and where possible every measure is taken to ensure efficiency to minimise energy demand.

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SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR

Waste Management Act 3rd Schedule (Disposal) Activities			Waste Management Act 4th Schedule (Recovery) Activities		
Class of Activity Applied For		Quantity (tpa)	Class of Activity Applied For		Quantity (tpa)
Class 1			Class 1		
Class 2			Class 2		2,000
Class 3			Class 3	✓	5,000
Class 4			Class 4	✓	15,000
Class 5			Class 5		
Class 6			Class 6		
Class 7			Class 7		
Class 8			Class 8		
Class 9			Class 9		
Class 10			Class 10		
Class 11	✓	80,000	Class 11	✓	50,000
Class 12	✓	80,000	Class 12	✓	50,000
Class 13	✓	20,000	Class 13	✓	50,000

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1**. The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2006	22,000	Not Applicable	22,000
2007	50,611	Not Applicable	50,600
2008	58,000	Not Applicable	58,000
2009	100,000	Not Applicable	100,000

A detailed inventory of the types and quantities of wastes currently handled at the site and proposed to be handled should be submitted as Table H.1 (C).

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household	17,000	35,000	
Commercial	17,000	35,000	
Sewage Sludge	Zero	Zero	Zero
Construction and Demolition	16,000	30,000	
Industrial Non-Hazardous Sludges	Zero	Zero	Zero
Industrial Non-Hazardous Solids			
Hazardous *(Specify detail in Table H 1.2)	Zero	Zero	Zero
Inert Waste imported for restoration purposes	COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY		

*** TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES**

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil			
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			

Attachment H.1 should contain any relevant additional information.

It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be deposited.

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WASTE Application Form

H.2 Waste Acceptance Procedures

Procedures for checking waste loads as they arrive at the facility must be included. These should follow the requirements of the Agency's Waste Acceptance Manual. A copy of these procedures and other associated documentation should be included as **Attachment H.2**.

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Attachment H.2

Waste Acceptance Procedures

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment H.2 Waste Acceptance Procedures

Procedure for Checking Waste Loads on Arrival:

A formalised written procedure is in place at the facility for checking waste loads when they arrive. The process of waste acceptance that is in place at the site is described below.

All inbound waste is weighed as it enters the site. The weighbridge is located near the site entrance. The following information is recorded:

- Waste description
- EWC code
- Origin of the waste
- Weight of the load

Prior to final acceptance of the load, the material is inspected. In the event of a suspect load arriving on-site, the consignment is moved and stored in the quarantine area. The load is further inspected for non-compliance. If the load is non-compliant it is returned to the customer. If it transpires that the load is in fact compliant with the requirements, the load is accepted at the site and undergoes processing as normal.

A copy of the waste dispatch docket that is issued with every waste load that is accepted at the facility is appended as Appendix H.2.1 of Attachment H.2. One copy or the docket is issued to the driver and the second copy is retained onsite for records.

Figure H.2.1, below, shows the sequence of the processes the waste stream undergoes once it arrives at the site.

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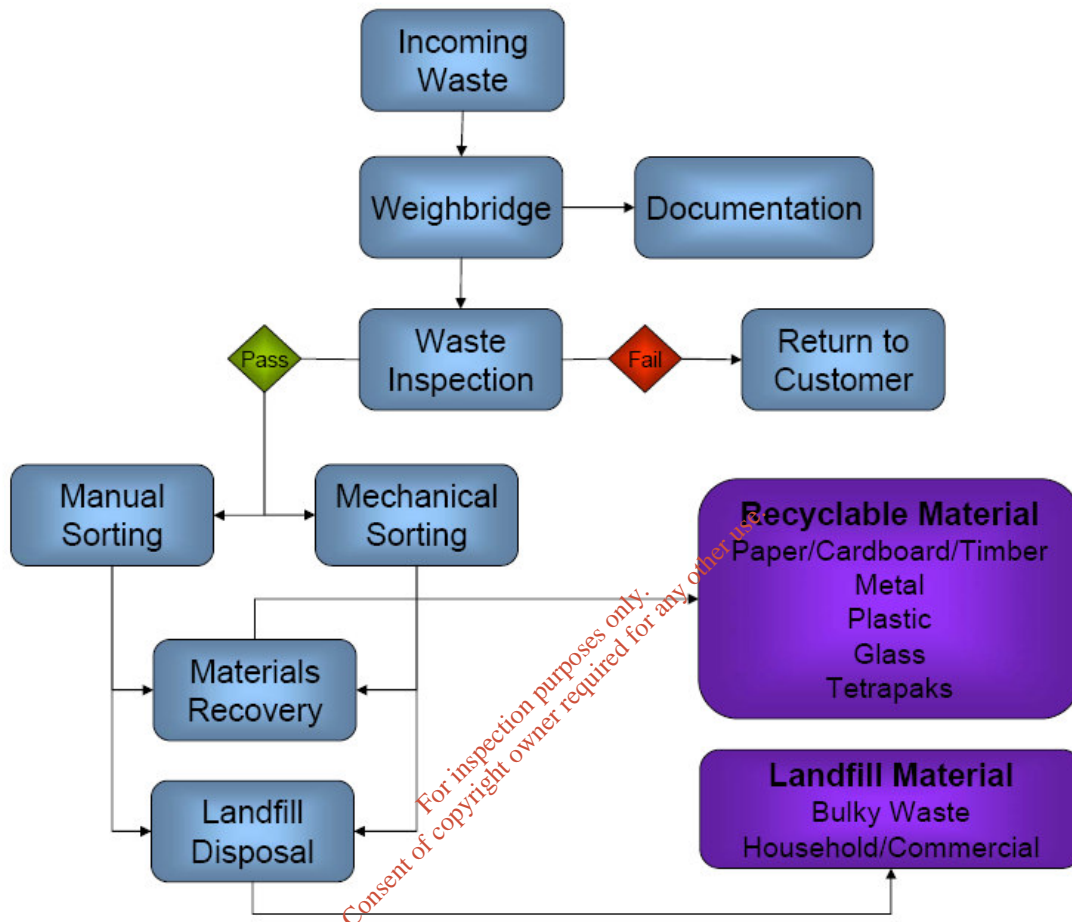


Figure H.2.1 Basic Waste Stream Process

In addition an electronic log and hard copy of each waste load received at the facility is recorded. The information is signed by the driver and retained onsite. An example of one of these records can be seen in Appendix H.2.2 of Attachment H.2.

Appendix H.2.1
Waste Dispatch Docket

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Country Clean Recycling Ltd.

3501

HQ: The Old Mill, Castletownroche, Co. Cork.

Tel.: 022 46848 Fax: 022 46848

Waste Collection Permit Ref. CK WMC 234/04 WCP/LK/094/04C WCP/KK/328/06

Waste Collection

1. Route Details Date: ____/____/____ Route No: _____ Area: _____ <small>(e.g. Kinsale, Malin, Kildorrey)</small> Start Time: _____ A.M./P.M. Vehicle Reg.: _____	3. Waste Description & EWC CODE Mixed Municipal 20 03 01 _____ <input type="checkbox"/> Cardboard 15 01 01 _____ <input type="checkbox"/> Dry Recyclables 15 01 06 _____ <input type="checkbox"/> Glass 15 01 07 _____ <input type="checkbox"/> Clothes 20 01 10 _____ <input type="checkbox"/> 4. Local Authority Cork County: _____ <input type="checkbox"/> Cork City: _____ <input type="checkbox"/> Limerick: County: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/>	5. Destination Country Clean Recycling, Churchfield, Cork WP 04/04 _____ <input type="checkbox"/> Greenstar Sarsfield Court Glanmire WO 136-2 _____ <input type="checkbox"/> Glyntown Recycling Sarsfield Court Glanmire WP 11/01 _____ <input type="checkbox"/> Youngal Landfill, Youghal, Co. Cork W0068-02 _____ <input type="checkbox"/> Other (Inc Address and Waste License No.) _____ <input type="checkbox"/>
--	---	---

6. Waste Discharge

Date: ____/____/____ <small>(If Different From Above)</small>	Time _____ A.M./P.M.	WEIGHT _____	Net/Gross Tonnes _____
Site Rep (Block Caps): _____	Signature: _____		
Driver Name: _____	Signature: _____		

Refuse Truck Weight Docket Book Rev 2. 04 Jan. 2008

kantur@trsa.ie

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Appendix H.2.2
Waste Dispatch Docket

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CORK MINI SKIPS LTD
CHURCHFIELD IND EST
JOHN F CONNOLLY AVE
CHURCHFIELD
CORK

TEL: 021 4300130 FAX: 021 4308031

TICKET# : 023533 OUT

VEHICLE REG : 06C14736
SKIP TYPE :

JOB NO : CCR YOL
 YOUGHAL LANDFILL CCR
WASTE TYPE : MMW MIXED MUNICIPAL WASTE (1109)
EWC CODE : 20 03 01

CUST : CORK COUNTY COUNCIL
HAULIER : MACROOM HAULAGE CK WMC 238/02
SOURCE : ON ONSITE (COUNTRY CLEAN RECYCLING WP 04/04)
DESTINATION : YOL YOUGHAL LANDFILL (CORK COCO) WO068-02
MULTI SKIPS :

	WEIGHT	WB	DATE	TIME	SERIAL NO
1ST:	21700KG	MA	14/02/2008	07:22	069255
2ND:	44300KG	MA	14/02/2008	07:28	069256
NETT:	22600KG				

DRIVERS SIGNATURE 

WEIGHBRIDGE OPERATOR SIGNATURE 

H.3 Waste Handling

Waste handling and the operating procedures used at the facility including waste treatment processes should be described in **Attachment H.3**. Included in the attachment should be information on the plant used on site and on the methods and processes for handling waste on-site. Special requirements hold for contaminated soil facilities, see *Guidance Note*.

In addition, an application for a Landfill requires Section H.3.a to be completed:

H.3a Waste Handling at the Landfill Facility

State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (d) Evidence should be provided to show that energy will be used efficiently.

Attachment H.3

Waste Handling

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment H.3 Waste Handling

The Managing Director (MD) of Country Clean Recycling is ultimately responsible for ensuring all waste streams are handled in a safe and proper manner. The MD delegates certain responsibilities to ensure this is done in the most efficient and effective manner.

Once waste arrives at the facility, it is weighed, its details recorded and, upon approval, it is moved to the main building, the Materials Recovery Facility (MRF), for further processing. There is an area allocated for temporary storage of the waste and each waste stream has a designated area into which it is tipped for sorting. The waste is then stored temporarily or sorted immediately. No tipping of waste takes place outdoors.

The waste is physically inspected to evaluate the possibility of reuse, recovery or recycling of all or part of the waste stream. Sorting involves separating the waste into different waste streams for removal off site.

All waste leaving the facility is weighed and its destination recorded.

Recyclable Waste

Incoming recyclable waste is tipped and sorted for baling. Uncontaminated cardboard is segregated from all waste loads and loaded onto the baling machine. The baled cardboard is then stored on an area of hardstanding prior to removal off-site for recycling. The same procedure is followed for uncontaminated, clean plastic, which is segregated from all waste types and sent for baling. Plastic is also segregated from C&D waste using air blowers. Segregation on the C&D line is also done manually and with a trommel. The personnel doing the manual segregation take out metal and timber.

Non-Recyclable Waste

If, following visual inspection, the waste is deemed to be non-recyclable, it is stored in its designated area awaiting loading. It is then transported off-site to a licensed disposal facility. Where possible, the floor of the MRF building is cleared by the end of each day. This may not be possible due to factors such as the operating hours of the facility, the time the waste load arrives and the opening hours of the receiving waste disposal facility.

Hazardous Waste

Hazardous waste is not accepted at the site. Occasionally, however, hazardous waste such as fluorescent bulbs, batteries etc. can be inadvertently included in mixed waste loads from households or commercial facilities. In the event of this happening, the hazardous portion of the waste is segregated and stored in a designated quarantine area. These items are then collected and transported by a licensed contractor for recovery off-site. Each contractor provides a C1 Consignment Form which covers the movement of hazardous waste within the state.

The waste acceptance procedure is outlined below.

1.0 PURPOSE

The purpose of this procedure is to outline the measure to be implemented to ensure that waste accepted at the site for treatment complies with the conditions outlined in the waste permit. It is the responsibility of the Plant Supervisor to ensure that this specification is implemented and maintained up to date.

2.0 POLICY

Country Clean Recycling recognises the requirement to ensure that waste handled at the facility is categorised as municipal, or industrial waste and that no hazardous waste as specified in the Waste Management Act, 1996 is accepted at the facility.

3.0 SCOPE

This procedure applies to the control of all waste handled at the Materials Recovery Facility (MRF) at Churchfield Industrial Estate, John F. Connolly Rd, Co.Cork.

4.0 DEFINITIONS

Hazardous Waste

Is any such waste covered by the Council Directive 91/689/EEC on Hazardous Waste. The Waste Management Act, 1996 defines it as:

- (i) Hazardous waste for the time being mentioned in the list prepared pursuant to Article 1(4) of Council Directive 91/689/EEC of 12th December, 1991, being either
- (ii) Category Waste I that has any of the properties specified in Part II of the Second Schedule, or
- (iii) Category II waste that-
 - Contains any of the constituents specified in Part II of the Second Schedule and
 - Has any of the properties specified in Part III of the said schedule
- (iv) Such other waste, having any of the properties specified in Part III of the second schedule, as may be prescribed for the purposes of this definition.

5.0 RESPONSIBILITY

5.1 *Specification Responsibility: Supervisor*

Waste Compliance/Categorisation Responsibility: Customer.

6.1 Operations

6.1.1 All waste handled at the facility will be characterised using the procedure outlined in Figure H.3.1. for characterising waste.

6.1.2 Waste from each individual customer will be categorised as either municipal or industrial waste and an appropriate European Waste Catalogue Code (EWC) assigned to the waste.

6.1.3 Each Load of waste will be inspected and verified on site to confirm that the waste is the same as that subject to compliance testing, and described in any accompanying documentation.

Onsite inspections will entail a visual inspection of the load prior to unloading within the MRF. If the contents of the load cannot be verified by visual inspection more detailed testing will be required to make a definitive evaluation.

6.1.4 A Municipal Waste Characterisation Survey will be undertaken periodically to assess that the waste arriving onsite will be checked for:

- Documentation to ascertain origin and nature of the waste.
- Visual inspection as previously detailed.
- Periodic compliance testing if required.
- Disposal in accordance with the Waste Permit.

6.2 Inspections

- Visual inspections and documentation inspections shall be undertaken on each load received at the facility.
- Other more detailed inspection will be undertaken in accordance with the Waste Permit requirements.

6.2 Reporting

- Any waste which does not conform to that specified within the Waste Permit will be held onsite and Cork City Council will be informed.
- A senior member of staff will compile a report outlining the possible sources and composition of the material.
- A disposal strategy for such waste will be agreed with Cork City Council prior to disposal.

6.3 Communication

All reports/documentation will be retained onsite within the facility. Cork City Council will be informed of any proposed alteration to the waste acceptance procedure.

6.4 Training

Personnel involved in waste acceptance must have attended a training course in the implementation of this procedure.

6.5 Administration

The activity file for this procedure shall reside within the site office. Compliance with the procedure shall be confirmed through the presence of documentation for scheduled treatment inspections.

Waste Acceptance Report			
Date			
Customer			
Item	Checked	Comments	Name of Assessor
Waste Description			
Documentation			
Visual Inspection			
Odour			
Report on Waste Acceptance Problem			
Location		Time	
Details			
Corrective Action			
Signed:		Approved:	

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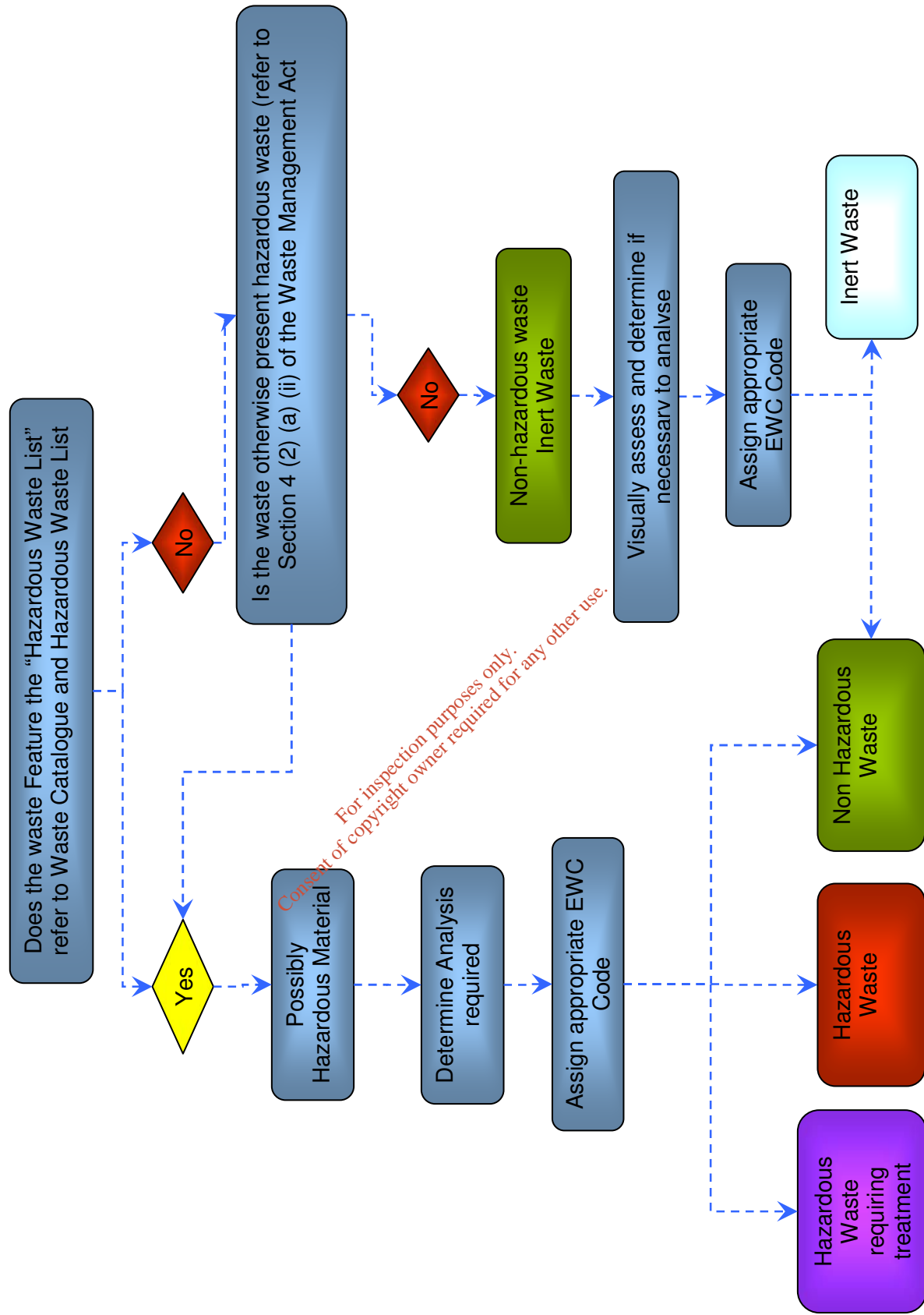


Figure H.3.1 Waste Classifying Procedure

H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be identified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m³) and tonnage (t) for their waste stream.

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SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

Detailed information is required to enable the Agency to assess the existing environment. This section requires the provision of information on the ambient environmental conditions at the site prior to the commencement of waste management activities or prior to the receipt of a review application.

Where development is proposed to be carried out, being development which is of a class for the time being specified under Article 24 (First Schedule) of the Environmental Impact Assessment Regulations, the information on the state of the existing environment should be addressed in the EIS. **In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.**

I.1. Assessment of atmospheric emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Attachment I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

Attachment I.1

Assessment of Atmospheric Emissions

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Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

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Attachment I.1 Assessment of Atmospheric Emissions

The Environmental Protection Agency air quality index is used to express complex air quality information in simple terms. Five bands are used in the Irish index which range from “*very good*” air quality to “*very poor*” air quality. The air quality near the Country Clean Recycling facility is classified as being of “*Very Good Quality*” in accordance with the EU Air Framework Directive and EPA Air Quality Zones. The facility has the highest air quality index.

The onsite operations at the development involve the transfer, sorting, baling and recycling of waste material. Hence, there are no major scheduled emissions (i.e. through stacks, vents, etc.) planned for the development and site activities are unlikely to cause any deterioration in local air quality.

The proposed increase in site operations will require a level of operation that will not impinge on the surrounding environment and comply with Environmental Protection Agency monitoring requirements.

The following mitigation measures are recommended during the construction and operation phases of the proposed development:

- Watering and cleaning of site roads during long dry weather conditions to suppress dust emissions as appropriate;
- Proper maintenance of diesel engines and plant machinery to minimise visible smoke which may contribute towards local nuisance.
- Develop and implement a dust management programme incorporating the use of a bowser to suppress dust on all road surfaces as necessary.
- Regular maintenance and cleaning of all roads i.e. use of a vacuum road sweeper or similar to remove drag-out of silt from trucks leaving the site.

The material recovery facility is equipped with odour abatement spray fans which are utilised during hot periods to ensure that malodorous emissions do not impact the surrounding area. To date there have been no odour related complaints at the facility. These masking agents typically have pleasant odours designed to “mask” the unpleasant odour from the facility.

The following mitigation measures have been recommended to further reduce odour emissions:

- The site layout should be optimised to reduce outdoor operations from sensitive receptors;
- Storage or residence time for waste should be kept to a minimum.
- All wastes which have potential for the generation of odour should be undertaken within the Material Recovery Facility.
- All work surfaces and floors should be cleaned regularly to maintain a suitable standard to prevent the build up of anaerobic bacteria;
- Odour abatement should be utilised in the event that an odour nuisance is generated.

For further information relating to air, please refer to of the Environmental Impact Assessment.

I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment I.2.**

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Attachment I.2

Assessment of Impacts of Surface Water Discharges on the Receiving Waters

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Attachment I.2 Assessment of the Impacts of Surface Water Discharges on the Receiving Waters

All surface water from yard areas drains to a Class I Full Retention Oil interceptor and subsequently discharges to Cork City foul pipeline located to the north of the site. This discharge will not have a significant effect on the receiving pipeline. There is a water monitoring point at the outlet of the oil interceptor.

All roof water runoff from the Materials Recovery Facility will drain to an attenuation tank where it will be feed into Cork City Councils storm water pipeline.

There will be no water draining to receiving waters and as a result there is no requirement to monitor receiving water.

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I.3. Assessment of Impact of Sewage Discharge.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment I.3.**

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Attachment I.3

Assessment of Impact of Sewage Discharge

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Attachment I.3 Assessment of Impact of Sewage Discharge

Sanitary effluent from the site discharges to Cork City Council sewer pipeline located to the south of the facility.

Process leachate generated from within the Materials Recovery Facility is treated via a Class I Full Retention Oil Interceptor prior to discharging to Cork City Sewer pipeline located to the north of the facility. There is a monitoring point at the outlet of the oil interceptor.

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I.4 Assessment of impact of ground/groundwater emissions

The scope and detail of this assessment will depend to a large extent on the extent and type of ground emissions at any site, which in turn are related to the risk. Details should be included in **Attachment I.4**. Comprehensive guidelines are contained in the *Application Guidance Note*, and include particular requirements for landfill and brownfield facilities.

Describe the existing groundwater quality. Tables I.4(i) should be completed.

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I.5 Ground and/or groundwater contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, appropriately scaled plans/drawings ($\leq A3$), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5**.

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I.6 Noise Impact.

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.6(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, appropriately scaled maps (\leq A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6**.

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Attachment I.6

Noise Assessment

Country Clean Recycling Ltd.
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Attachment I.6 Noise Assessment

In order to characterise the receiving noise environment, a baseline noise survey was undertaken at the site, while the existing area of the quarry was in operation. The survey consisted of a series of both daytime and night-time noise measurements at seven Noise Sensitive Locations (NSL) along the site boundaries and also noise monitoring at point sources within the Materials Recovery Facility during normal operation of equipment.

Specific noise monitoring was carried out at the following noise sources described in Table I.6.1.

Table I.6.1. Noise Monitoring Locations

Reference Number	Location	National Grid Reference
N 1	Located to the southwest boundary of the Materials Recovery Facility	N1 (E166081 N73528)
NSL 2	Located to the northwest of the Materials Recovery Facility	N2 (E166064 N73629)
NSL 3	Located at the northeast to the Materials Recovery Facility	N3 (E166161 N73630)
NSL 4	Located to the Southeast of the Materials Recovery Facility	N4 (E166155 N73551)
NSL 5	Located near the wood shredder to the east of the Materials Recovery Facility	N5 (E166154 N73580)
Reference Number	Noise Sensitive Monitoring Locations	National Grid Reference
NSL 1	Located on agricultural land to the east of the Materials Recovery Facility	NSL1 (E166191 N73590)
NSL 2	Located on agricultural land to the north of the Materials Recovery Facility	NSL2 (E166117 N73645)

Monitoring and Measurement

The EPA Guidance note for Noise in Relation to Scheduled Activities recommend Maximum noise levels at the nearest noise sensitive properties and all other such properties within a specified radius of the development may be required. Concerning noise limits the following are suggested:

- 1.0 45 dB(A) LAeq, during the night- time (2200 hrs to 0800 hrs).
- 2.0 55 dB(A) LAeq at during the daytime (0800 hrs to 2200 hrs).

The measurements were performed using a Brüel & Kjær Type 2250 Modular Precision Sound Analyzer and Cirrus Research 831B Type 1 Data Logging Sound Level Meter. Before and after the survey the measurement apparatus was checked calibrated using a Brüel & Kjær Type 4231 Sound Level Calibrator or a Cirrus Research: 515 Type 1 Acoustic Calibrator.

Measurements were conducted over the course of two survey periods at intervals as follows:

- Daytime 14:00 hrs to 17:00 hrs on 10/10/2007;
- Night-time 23:20 hrs on the 10/10/2007 to 02:00 hrs on 11/10/2007

During all of the survey periods noted above, it is understood that the facility was in normal operation and the site was not operating after 17:30 hrs.

Boundary measurements were conducted on a cyclical basis. Sample periods were 15 minutes during both the daytime and night-time surveys. The results were saved to the instrument memory for later analysis where appropriate. Survey personnel noted all primary noise sources contributing to noise build-up.

Results of noise monitoring at specific noise sources are contained in Table I.6.2.

Table I.6.2. Noise Results for Country Clean Recycling

Location	Daytime Noise Level (dBA)					Nighttime Noise Level (dBA)				
	L _{Aeq}	L _{AMin}	L _{AMax}	L _{A10}	L _{A90}	L _{Aeq}	L _{AMin}	L _{AMax}	L _{A10}	L _{A90}
N 1	70.8	67.5	97.5	72.6	69.0	39.9	35.6	44.8	41.9	38.0
N 2	57.6	50.9	90.9	69.2	51.8	44.4	39.4	50.9	46.9	41.9
N 3	54.2	40.0	79.8	72.1	42.4	37.5	43.9	33.5	39.9	35.6
N 4	67.1	61.3	80.0	70.2	64.1	36.2	31.7	43.4	38.2	34.1
N 5	82.5	72.8	90.3	86.2	77.9	Not Operational				
NSL 1	47.3	42.2	53.3	49.6	44.8	43.3	35.8	53.6	47.9	39.4
NSL 2	44.4	39.3	53.6	46.7	42.3	41.1	37.2	45.9	42.4	39.8

A description of the position of each noise monitoring location is given below.

N1 (E166081 N73528) - This noise monitoring location is adjacent to John F. Connolly Road adjacent to the internal distributor road other facilities within the industrial estate. As a result this location was subject to elevated noise levels associated with the passing road traffic.

The day time survey was influenced by traffic movement into and around the site, and background influence from traffic on the distributor road travelling to other facilities within the industrial estate. This resulted in an L_{Aeq} of 70.8 dB(A). The recorded L_{A90} of 69.0 dB(A) highlights the impact of vehicle movement within the site, and external background influence around the industrial estate.

The night time survey had a L_{Aeq} of 39.9 dB(A) with a L_{A90} of 38.0 dB(A). There were no vehicle movements during this period and as a result there is a notable decrease in noise levels within the site. Weather conditions were calm with no animal or human movements noted during the noise measurement. No tonal component was determined at this location.

N2 (E166064 N73629)-This monitoring location is situated to the north-western section of the facility adjacent to a neighbouring site, and an area of a green area. The noise level during the day was primarily influenced by vehicle noise and processing of materials within the recovery building. Secondary noise sources were attributed to process within adjacent facilities. The day time survey results were noted to have an L_{Aeq} of 57.6 dB(A) and an L_{A90} of 51.8 dB(A).

The night time survey had an L_{Aeq} of 44.4 dB(A) and a L_{A90} of 41.9 dB(A). There were no distinct noise sources during the survey however vehicles were audible in the general area. No tonal component was determined.

N3 (E166161 N73630) -This monitoring location is situated to the north-eastern boundary of the facility adjacent to a green undeveloped area. The noise at this location was influenced vehicle movements within the site, and processing activities from the Materials Recovery Facility. The day time survey results indicated an L_{Aeq} of 54.2 dB(A) and L_{A90} of 42.4 dB(A).

During the night time survey an L_{Aeq} of 37.5 dB(A), was recorded resulting in a L_{A90} of 35.6 dB(A). The noise level during the noise measurement was low which reflects the low intensity of traffic movements from the facility and other facilities in the industrial estate. No tonal component was determined.

N4 (E166155 N73551)- This monitoring location is situated to the south-eastern section of the site at the entrance to the facility. This location is adjacent to John F. Connolly Road and hence the noise measurements were dominated by passing road traffic, and internal traffic within the facility. The measurement was also influenced by processing activities within the Materials Recovery Building and bird song. The day time survey results were L_{Aeq} of 67.1 dB(A) and L_{A90} of 64.1 dB(A).

The night time survey had a L_{Aeq} of 36.2 dB(A) and a L_{A90} of 34.1 dB(A). This highlights the low background noise level during the night time measurement where no vehicle movements were noted. No tonal component was determined.

N5 (E166154 N73580)-This noise measurement was recorded near the onsite timber shredder which is located to the east of the facility. The noise level during the measurement was primarily attributed to the operation of the machine and was clearly audible. Secondary noise sources were noise negated by the machine. The survey results were L_{Aeq} of 82.5 dB(A) and L_{A90} of 77.9 dB(A).

As part of the planning application it is proposed to roof the shredding machine to minimise noise transmission. No tonal component was determined.

NSL1 (E166191 N73590)-This monitoring location is situated to the east of the site in an undeveloped site adjacent the facility. This measurement was taken in order to determine noise levels transmitted as from the facility. The noise levels during the day were primarily associated with vehicle noise and facility. Secondary noise sources were included those from adjacent facilities. The day time survey results were L_{Aeq} of 47.3 dB(A), and a L_{A90} of 39.8.

The night time survey had a L_{Aeq} of 44.4 dB(A) and a L_{A90} of 39.4. There were no distinct noise sources during the survey however vehicular activity was noted in the general area. No tonal component was determined.

NSL2 (E166117 N73645)-This monitoring location is situated circa 150 meters north of the facility in an undeveloped site. Similar to NSL 2 noise levels during the day were primarily associated with vehicle noise from the area and noise from facility which contributory sources from adjacent facilities. The day time survey results indicated an L_{Aeq} of 42.3, and an L_{A90} of 38.0.

The night time survey had a L_{Aeq} of 44.4 dB(A) and a L_{A90} of 39.4. There were no distinct noise sources during the survey however vehicular activity was noted in the general area. No tonal component was determined.

Preventative Mitigation measures

The impact assessment has shown that the development will not have a significant impact on the noise or vibration environment at Noise Sensitive Locations.

The existing noise in the region is typical of an industrial estate, with boundary locations close to roads showing higher noise due to traffic levels.

Construction Phase

During Construction Phase there may be short-term, temporary noise level increases. To mitigate the impacts of construction noise the site will implement a noise management plan as part of the construction phase. The following mitigation measures will be implemented in order to reduce noise disturbance during the construction phase:

In order to aid in reducing the noise impact during the construction phase of the development reference should be made to BS5228: Noise control on construction and open sites, which offers detailed guidance on the control of noise from demolition and construction activities.

Noise exposure at Noise Sensitive Locations are expected to be within World Health Organisation guidelines for outdoor areas of 50 to 55 dB(A) L_{Aeq} . To further mitigate traffic noise impacts additional measures are recommended as outlined below:

- Speed controls, low noise surface, and higher noise screens.
- The developer will liaise with the Local Authority and residents prior to and during the construction phase. This will include provision of information on programme, likely activities and likely nuisances.
- The plant will be screened and temporary noise reducing barriers will be erected around items such as generators or high duty compressors.
- Noisy plant activities will be sited as far away from sensitive properties as permitted by site constraints.
- Hours of construction will be limited so that noisy activities will not occur at unsociable hours.
- Machinery that is used intermittently will be shut down or throttled back to a minimum during periods when not in use;
- Compressors will be attenuated models fitted with properly lined and sealed acoustic covers which will be kept closed whenever the machines are in use and all ancillary pneumatic tools shall be fitted with suitable silencers;
- The best means practicable, including proper maintenance of plant, will be employed to minimise the noise produced by on site operations;

It is anticipated that with attenuation provided by the building modifications and the distance between the site boundary and the nearest residential properties, that the EPA guidance limit levels will be achieved.

Operational Phase

During the operation phase noise levels will consist of static equipment related noise, truck noise and mobile plant related noise. The impacts are largely imperceptible and all noise levels are within the standard EPA guidelines for daytime and night-time noise levels. The noise associated with the increased heavy goods vehicles and

traffic associated with the site will be imperceptible in the context of the exiting traffic levels on the road.

The facility will be required to meet the waste licence limit requirements at the noise sensitive locations. The mitigation measures proposed should ensure that the noise limits are satisfied and as such there will be no significant environmental impact at the site.

Current operating mitigation measures employed at the site include:

- All waste truck delivering waste to the site will unload waste in the Materials Recovery Building.
- The waste reception hall will have automated roller doors which will open to allow access by trucks then close immediately behind the truck as it enters/exits the building.
- All waste handling operations at the site will occur indoors with the exception of the timber shredder which will be roofed to reduce noise and dust emissions.
- During the night period (22:00 – 07:00) all waste handling activities will be reduced and cleaning and maintenance activities will be undertaken.
- The main vehicle access doors of the facility shall be closed during the night period operations. No waste should be delivered to the site during the night period.
- The speed limit on the site for all vehicles will be a maximum limit of 15 km.

The noise produced from Country Clean Recycling Ltd. is broadband in nature and hence does not travel significant distances

Noise emanating from the facility whilst audible at noise sensitive locations (NSL 1, and NSL 2) were within the EPA limits of 55dBA (daytime), and 45dBA (night-time).

The daytime noise measurements at the boundary locations adjacent to John F. Connolly Road, and in particular at the timber shredder (N1, N3, and N5) ranged between 64.1 and 77.9 LA90. Noise measurements at the boundary locations were attributed to waste delivery/collection trucks arriving at the site and off site traffic movements and by contributory sources from traffic within the industrial estate creating a higher background level.

The Predicted impact

The contribution of the new facility as calculated, and in the right hand column the Predicted Environmental noise Level (PEL) is calculated from the logarithmic addition of the predicted contribution to the baseline. This model calculates a worst-case scenario.

Predicted Operational Noise Levels

Location	Background Baseline, LA90 dB(A)	Specific Noise LAeq dB(A)	Predicted LAeq d(B)A	Excess dB
Day time (LAeq, T)				
NL 2	51.8	57.6	55.4	-2
NSL 1	44.8	47.3	48.3	-9
NSL 2	42.3	44.4	43.5	-12
Night-time (LAeq, T)				

Location	Background Baseline, L90 dB(A)	Specific Noise LAeq dB(A)	Predicted LAeq d(B)A	Excess dB
NL 2	41.9	40.1	42.1	-3
NSL 1	39.4	43.3	41.4	-1
NSL 2	39.8	37.2	39.9	-5

The L_{A90} figures are more representative of the noise levels generated from the facility which are in compliance with the EPA guidelines. The noise level measured and predicted at NL 2, NSL 1, and NSL 2 show that with the improvements in the site layout and operation, there will be no significant change in the noise levels. The main noise source will continue to be road traffic along the John A Connolly road.

Summary

CCR does not generate significant noise levels. The main audible sources at site consist of:

- Road Noise from the adjacent local road.
- Site traffic movements.
- Noise from site operations – unloading, loading, sorting, etc.

The existing background levels measured at the facility indicated that the two Noise Sensitive Locations at NSL1 and NSL2 recorded a daytime noise level (L_{A90}) 44.8, and 42.3 respectively which are compliant with EPA guidelines. The night time levels for Noise Sensitive Location's is compliant with the EPA guidelines ranging from 41.1 to 43.3 dB(A) under the EPA night time level of 45 dB(A). Noise monitoring location 4 recorded the lowest night-time background level of 42.4 dB(A) L_{A90} . A 5dB increase above these levels are generally in agreement with EPA guidance limits of 55dB LA and 45dB LAeq.

The results of the noise model show that the facility will not have a significant impact on the Noise Sensitive Locations assessed. During the day-time the specific noise level is below the existing baseline noise at both locations. The specific noise level is also below the EPA recommended limits for day-time noise. For night-time noise the specific noise level is slightly above the existing night-time noise levels. This will result in an imperceptible impact on noise levels, with complaints unlikely to occur.

For further information relating to noise from the facility please refer to the Environmental Impact Assessment.

I.7 Assessment of Ecological Impacts & Mitigation Measures

The ecology of the site and the surrounding area should be assessed in the vicinity of the large scale waste facilities such as landfill or incinerator developments. An assessment of the ecology should form **Attachment I.7**. Comprehensive guidelines are contained in the *Application Guidance Note*

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Attachment I.7

Ecological Assessment

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Churchfield Industrial Estate, John F. Connolly Rd., Cork
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Attachment I.7 Ecological Assessment

The site is not located within any designated Natural Heritage Area (NHA), Special Area of Conservation (SAC) or Special Protection Area (SPA). The nearest nature conservation sites to the proposed extension area are outlined in Table I.7.1 along with associated site code and brief description.

Table I.7.1 Designated Conservation Sites nearest the proposed development.

Conservation Site	Site Description	Approximate distance and direction from the site
Cork Harbour SPA (Site Code 004030)	Cork Harbour is of major ornithological significance, being of international importance both for the total numbers of wintering birds (i.e. > 20,000) and also for its population of Redshank. The SPA site comprises most of the main intertidal areas of Cork Harbour, including all of the North Channel, the Douglas Estuary, inner Lough Mahon, Lough Beg, Whitegate Bay and the Rostellan inlet.	5 km south
Douglas River Estuary NHA (Site Code 001046)	This site is part of the Cork Harbour complex which is of international importance for waterfowl. It ranks as the second most important area in Cork Harbour and supports a vast range of bird species some of which include Teal, Wigeon, Shelduck, Red-breasted Merganser, Oystercatcher, Lapwing, Golden Plover, Curlew, and Black-tailed Godwit. In total it is estimated support peak winter counts of 1,074 wildfowl and 37,355 waders. The site supports four species in nationally important numbers, namely: Shelduck, Red-breasted Merganser, Golden Plover and Black-tailed Godwit	0.3km west
Lee Valley NHA (Site Code 000094)	This site contains areas of intact semi-natural habitats some of which include wet broadleaved woodland, wet grassland communities, dry broadleaved woodland, freshwater marsh which are noted to be of regional conservation importance.	
Blarney Bog NHA (Site Code 001857)	Blarney Bog is a small area of Reed grass (<i>Phalans anendinnacea</i>) fen, situated in the flat valley floor of the River Blarney. The site supports lowland wet grassland, and freshwater marsh/fen. The area is used by a variety of bird species, which include Hen Harriers a species listed in Annex 1 of the EU Bird's Directive, and also a Red Data Book.	
Ardamadane Wood NHA (Site Code 001799)	Ardamadane Wood comprises three sites which are located north of Blarney village and supports dry deciduous woodland of Oak and Birch, with some scrub woodland and improved agricultural grassland. The sites are important to birds which include woodcock using the area in winter and a variety of species breeding in the area. It also includes interesting aquatic and terrestrial habitats.	

The habitats present within the site comprise Buildings and Artificial Surfaces, and Improved Agricultural Grassland. None of the habitats within the proposed development site correspond to, or in any way resemble, any habitat listed under Annex I of the EU Habitats Directive.

No rare or protected plant species were recorded during the field survey, and the site is not suspected of supporting any. No impacts on rare flora outside the development boundary are anticipated as a result of either construction or operation of the proposed development.

The site and its immediate environs are not considered to be of importance to any other bird species of high conservation concern, and the site is not of any particular importance to birds in general.

It is considered that the site is unlikely to support other faunal communities of ecological significance and no further negative impacts on fauna are therefore anticipated.

For further information relating to the Flora and Fauna of the site please refer to the EIS.

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SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment J**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment J

Accident Prevention and Emergency Response

**Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment J Accident Prevention and Emergency Response

Appendix J.1 Emergency Control procedure in place at the facility are appended as of Attachment J.1

Please see Emergency Response Procedures overleaf for:

- minimizing the impact on the environment of an accidental emission or spillage
- the response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.
- the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Public Liability Insurance

Please find insurances for the facility indicating the levels of public liability cover. Environmental Liability is covered as part of the general liability programme.

J.1 Accidental Emissions Control

Accidental emissions can occur due to minor accidents in handling materials or as a consequence of a major incident.

Country Clean Recycling effectively minimise an event of loss of control occurring in the following ways:

- Through implementing job specific in-house training, including the training of all staff on the use of equipment, bob cats etc. All staff using bob cats, forklifts are certified to do so by FAS.
- All staff are made fully aware of and potential health and safety and environmental risks, and site specific safety training is provided.
- All equipment and machinery undergo regular maintenance checks.
- As part of the safety statement, Country Clean Recycling carry out ongoing assessments of the operations by means of audits and inspections, and all results are recorded and appended to the safety statement, maintaining it as an active document.
- All safety signs are displayed in Polish as well as English

Spillage of oil or Fuel

If a vehicle is leaking fuel or oil, it will be prohibited entry to the site. In the event of an oil spill onsite the nature of the liquid will be determined; booms and absorbent material will be utilised to contain the spillage. The absorbent material will be subsequently disposed of at a licence facility.

Storage and Transport

Liquids used onsite including oil, detergents, lubricants are stored within bunded areas and are regularly inspected. As a result the risk of a spill from dangerous or hazardous liquid is low.

J.1.2 Procedural Control

Incident posing Significant Threat to the Environment

Storm water drains will be visually inspected weekly and discharges will be monitoring on a quarterly basis. If the visual inspection indicates an exceedence in any of the parameters specified in the licence the following measures will be undertaken:

- The source of the discharge will be identified immediately.
- The environmental manager will be contacted and a sample of the discharge will be analysed by a laboratory.
- If the analysis of the sample indicates that emission limit values have been exceeded, the Environmental Protection Agency will be notified.
- The source of the pollution will be identified and remedial action will be initiated.

If monitoring procedures indicate that an exceedence has occurred with any of the parameters specified in the Waste Licence the following measures will be undertaken:

- The source of the problem will be identified immediately
- Environmental Protection Agency will be notified
- Remedial action will be initiated.

Incident posing Significant Threat to the Health and Safety of People

In the event of an accident or incident causing injury to an individual onsite the following procedures should be undertaken:

- The Health and Safety officer will be alerted
- The ambulance services will be contacted
- The fire Brigade will be contacted if a person is trapped in a vehicle or involved in an accident
- The facility will be closed to the public
- The Gardai will be contacted if any person is injured by a vehicle
- Cork City Council Safety Officer will be contacted
- Records of all injuries will be recorded
- Oil and absorbent material will be used if there is an oil spillage
- Any injured person will not be moved unless there is an immediate danger to their safety
- The incident will be reported to the Environmental Protection Agency, and Health Safety Authority as soon as possible.

J.3 Emergency Response

In the event of a spillage or accidental emission, a Supervisor/Manager instigates corrective actions as follows:

Emergency situations that have the potential to arise include

- Fire.
- Dust explosion.
- Collapse of waste mounds.
- Fuel spill due to vehicle collision, overfilling of fuel storage tank or fuel tank in vehicle.

- Bund containment areas volume exceeded
- Battery spill

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Appendix J.1
Emergency Operating Procedures

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Standard Operating Procedure – Emergency Response

GENERAL

- All collection vehicles are fitted with the following:
 1. **First Aid Kit**
 2. **Fire Extinguisher**
 3. **Hazard Triangle**
 4. **Oil Spill Kit**
 5. **Yard Brush and Shovel**
 6. **Rake**
 7. **Emergency Telephone Numbers (inc. ambulance, Gardai, fire-brigade, EHS Officer, and mechanic)**
 8. **Crash Kit (inc. camera, torch, tape, road marker, procedure form, accident detail form, and witness form)**

EMERGENCY RESPONSE

- If your truck does not contain any of the above eight items make sure you contact your supervisor (CCR: Tom O Regan & CMS Tim O Regan) so you truck can but fitted with that item.
- **Caution** should be exercised at all times to **avoid** any spills or accidents.
- **Make sure you have the Emergency Telephone list in your truck at all times.**
- In the event of emergency **immediately contact** the appropriate person on the Emergency Telephone Numbers list. Try not to panic.

In the Event of any Mechanically Difficulties

- Contact you supervisor or manager in the event of any accident or incident. Make sure you have their numbers on your position i.e. in your mobile phone *contacts*.
- **Country Clean Recycling Drivers Contact the transport department personal Tom O Regan (086 8541400) or Denis Fitz (086 3856217)**
- **Cork Mini Skips Drivers Contact Tim O Regan (087 250 25 94) or The Cork Mini Skips office 021 4300 130.**
- Your **supervisor / manager** should be contacted to deal with any breakdowns / spills. Your supervisor / manager will organise for a replacement vehicle, clean-up equipment or other equipment that may be required.
- After contacting a member of management, while waiting for a mechanic or replacement vehicle use “Red Triangle” to warn any on coming traffic.

Oil Spill

Standard Operating Procedure – Emergency Response

- In the event of oil spill use the spill kit in your truck to clean up any oil spill.
- For any major oil spill contact your supervisor and inform them of the nature and the location of the oil spill.
- **Clean up any spill or littering caused by your work activities without endangering you or any member of staff.**
- Be careful to **minimize** any potential Health & Safety or Environmental risk while carrying out your work.

Hazardous Waste

- In the event that you come across any hazardous waste please inform the owner of the bin or skip that you are not licensed to carry it and it will have to be removed before you collect their waste.
- Contact your supervisor to inform him of the hazardous waste you have encountered given full detail of location, waste type, and customer details and customer's response regards the waste.
- If the customer has any queries regarding hazardous waste tell him to contact Flor Crowley Country Clean & Cork Mini Skips Environmental Officer @ 021 4300 130.

Load Refused at Waste facility contingency plan

- In the event that a waste load is refused entry into any waste facility please contact your transport manager (see number below).
- Ascertain the reason the load is being refused and inform your transport manager.
- Your transport manager will arrange alternative facility to take your waste load, remain at the facility until you are instructed on an alternative facility.

Health & Safety & Environmental Hazards

- Should you be involved in any accident or incident please contact your supervisor and Flor Crowley (021 4300 130) as an accident report must be done for all accidents and incidents?
- Please see below emergency telephone number list for all emergencies.
- In the event of an Environmental Incident such as a large oil spill, river been contaminated etc please contact your supervisor and Flor Crowley, as Cork County Council must be informed.
- Cork County Councils Environmental Departments Number is 021 4532700, while it is the Environmental Officer (Flor Crowley) responsibility to contact Cork County Council, should you feel the incident needs immediate attention i.e. contamination of water source. Please contact Cork County Council your self directly.

Standard Operating Procedure – Emergency Response

EMERGENCY TELEPHONE NUMBERS		
First Aider	Tim O'Regan.....	087 2501594
Ambulance		112
Fire Brigade		112
DOCTOR	Mallow Dr. Miles Frankel.....	022 24146
	Cork City. Ciaran Donovan.....	021 4395754
HOSPITAL	Cork University Hospital.....	021 4546400
	Mercy Hospital.....	021 4271971
Garda Station	Gurrabraher.....	021-4395540
	Mallow.....	022-21105
Environmental & Safety Rep	Flor Crowley.....	021-4300 130
Transport Manager	Thomas O' Regan (Country Clean).....	086-8541400
	Denis Fitzgerald (Country Clean).....	086 3856217
	Tim O Regan (Cork Mini Skips).....	087 2501594
HSA Local Office		021 4251212
Cork County Council Environmental Department		021 4532700 021 4532727(fax)

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**SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND
AFTERCARE**

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

For Landfill Applications, capping proposals are required, and reference should be made to the *Landfill Manual on 'Restoration and Aftercare'* published by the Agency, when completing this section.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment K.1

Cessation of Activity

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment K.1 Cessation of Activity

Cessation of the Activity

It is anticipated that the Country Clean Recycling will operate indefinitely; the company have invested in the current plant and process equipment, in order to meet the high quality product demands of their customers. In the unlikely event that the activity or part there of, is ceased the company will make provisions to decommission and render environmentally safe all process equipment, all process waste and all materials that could potentially have an adverse effect on the environment. Implementation of these provisional actions will depend upon the route of decommissioning followed. It is envisaged that there will always be a requirement for waste handling and segregation within the region and so the most likely outcome, upon cessation of the activity would be the sale of the entire operation, including plant and equipment as an on going concern. In the unlikely event that this would not be possible, for any reason, the site in its totality would be decommissioned and site closure would then be required.

In the event of cessation of the activity or part of, Country Clean Recycling will perform an audit of the site and operations in order to efficiently and accurately identify the following concerns:

- Existing materials, equipment, raw materials and product on site at any one time.
- Decommissioning of all plant machinery/equipment, removal of fuel, hydraulic oil, grease etc.
- Decontamination, decommissioning of fuel storage tanks and boilers.
- Decommissioning of existing structures.
- Appropriate means of disposing, treatment or sale of all materials, equipment and raw materials as identified above and where practicable:
 - sell all raw materials back to suppliers
 - sell/ distribute all unsold product to existing customers
 - any residual product will be disposed of /treated in accordance with in Local Authority and EPA Guidelines
 - sell process equipment, where sale is not feasible the equipment will be disposed of/ recycled through registered Contractors
 - dispose of any residual waste.
- A thorough cleaning and decontamination of all plant equipment, waste storage and segregation areas, plant process areas and auxiliary office areas will be undertaken.
- Existing environmental issues, to be dealt with prior to decommissioning.
- Security requirements for the site, so as to ensure that the site is secure and its integrity preserved; free from vandals and remains unoccupied.

Currently there is no Residual Management Plan at Country Clean Recycling, in the event of a site closure, planned or otherwise, a site specific, detailed, time-scaled and costed plan would be required.

It is proposed that this be carried out in two phased programmes, whereby:

- Programme I will involve short/medium term provisions including the decommissioning and decontamination of all above and below ground structures and process equipment – including management of residues arising).
- Programme II will involve longer term management of soil and groundwater contamination.

In the event that the site is sold as an ongoing concern, no formal decommissioning/closure plan would be undertaken, as it is envisaged that the activity will continue as is currently operated.

If the decommissioning of part or all of the Materials Recovery facility should be required, the following programme implemented in a phased process. It is envisaged that the phased approach will be undertaken as follows:

1. The site will stop accepting materials at the site after a specified date and all remaining materials which have been deposited at the site prior to this date will be treated as per the current operations.
2. Plant and equipment will be disassembled and decommissioned and materials sent for reuse, recovery or disposal, as appropriate.
3. After all material has been removed a programme of environmental monitoring and a site audit will be carried out to ensure that the local environment has not been adversely affected by the closure of the facility and that no residual material remains on the site.
4. After the site audit and monitoring has been completed, the site may be used for other purposes, in line with proper planning and development of the site.

Aftercare Management.

It is envisaged that the activities at the facility will not have an adverse affect on the site, as a detailed aftercare and management plan will be prepared. Post-closure environmental monitoring at the site will be agreed with the Environmental Protection Agency (EPA), (if necessary) after appropriate closure procedures have been put in place.

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SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

Indicate how all the requirements of Section 40(4)[(a) to (i)] of the Waste Management Acts 1996 to 2003 will be met.

Applicants should also describe how the proposed facility will comply with the requirements of BAT. In particular reference should be made to the considerations referred to in Annex IV of Council Directive 96/61/EC concerning integrated pollution prevention and control.

Attachment L.1 should contain the documentation requested above, along any relevant additional information.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment L.1

Statutory Requirements

**Country Clean Recycling Ltd,
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application**

Project Ref: OES1094_01

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Attachment L.1 Statutory Requirements

To comply with the requirements of the Waste Management Act 1996 as amended, the activity concerned must comply with Section 40(4)(a) to 40(a)(i).

Section 40(4)(a) of the Waste management Act, 1996 requires that any emissions from the recovery activity in question will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any other enactment.

A range of management, abatement, treatment and control, in accordance with BAT Guidance Notes for the Waste Sector: Transfer Activities (Draft, November 2004) will be implemented to eliminate or reduce emissions from the facility.

Country Clean Recycling propose to undertake environmental monitoring for dust, noise, surface and sewer emission points.

Noise Emissions

Noise emissions may arise from operational plant as well as traffic to and from the site. Processing operations and traffic movements to and from the site will be limited to normal opening hours and so operations at the facility do not have a significant impact on existing background noise levels. The standards applicable for noise emissions at the site are as follows: BS5228 (1984 and 1987) 'Noise Control on Construction and Open Sites' Part 1. A noise emission limit of 55 dB(A)L (daytime) and 45 dB(A)L (night time) at locations on the boundary will be used. Monitoring results will be compared against these standards.

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility. Results indicate that noise levels at sensitive locations are below the EPA limits as outlined below:

- 45 dB(A) LAeq, during the night- time (2200 hrs to 0800 hrs).
- 55 dB(A) LAeq at during the daytime (0800 hrs to 2200 hrs).

A prediction of the noise emissions from the facility post construction was undertaken. The results of the noise model show that the facility will not have a significant impact on the Noise Sensitive Locations assessed. During the day-time the specific noise level is below the existing baseline noise at both locations. The specific noise level is also below the EPA recommended limits for day-time noise. For night-time noise the specific noise level is slightly above the existing night-time noise levels. This will result in an imperceptible impact on noise levels, with complaints unlikely to occur.

It is proposed to undertake future noise monitoring on an annual basis. Further details relating to noise emissions and proposed mitigation measures for the site are the Environmental Impact Statement.

Odour and Air Emissions

It is unlikely that there will be any emissions to air or generation of odours as a result of operations at the facility. Ambient dust monitoring will be undertaken as part of the Waste Licence. A 30-day average dust deposition rate of 350 mg/m²/day is

recommended by the TA Luft requirement at the boundary of the site. Results from regular dust monitoring will be compared against these standards.

Internally, this is controlled by a number of strategically placed odour-controlling sprays. Externally, no complaints have been received from neighbouring businesses or residences.

The impact of exhaust emissions on ambient air quality, from vehicles entering the site, is expected to be minimal. For further information relating to air emissions please refer to the EIS.

Material Handling

No hazardous waste is accepted at the site in Cork. However, hazardous waste in the form of fluorescent light bulbs and batteries can be mixed in with waste loads and inadvertently accepted at the site, as described in previous sections. In the event of this occurrence, the hazardous items will be segregated, stored in the Quarantine Area and removed from the site by a licensed contractor for processing off-site. This control is deemed sufficient to prevent any harm to the environment from hazardous waste.

Surface Water

Liquid waste is not accepted at the site. All roads and hard standing areas will be impermeable. The storage of waste material is predominantly within the Material Recovery Facility with the exception of glass and timber which are stored in storage bays on hard standing ground to the north of the facility. Any leachate produced as a result of the waste sorting process will be stored in an underground bund tank which is subsequently treated via a Class A full retention oil interceptor and discharged to Cork City Sewer.

Samples will be taken from specified monitoring locations and sent for analysis as part of the Waste Licence. Results will be forwarded to the Environmental Protection Agency.

For further information relating to Surface water from the facility please refer to the the Environmental Impact Statement.

Sewer Water

Sewer: Foul sewage generated at the facility will be discharged to public foul sewer. *Section 40(4) (b) of the Waste Management Act, 1996 requires that the activity concerned will not cause environmental pollution, which is defined as:*

"The holding, transport, recovery and disposal of waste in the manner which would to a significant extend endanger human health or harm the environment, and in particular:

- a) create a risk to waters, the atmosphere, land, soil, plants or animals*
- b) create a nuisance through noise, odours or litter*
- c) adversely affect the Countryside or places of special interest. "*

All waste is tipped, inspected and sorted inside the MRF building; no waste is tipped outdoors. The processing of the waste material produces an effluent which is

collected in a sump. The effluent from the sump passes through a Class 1 full retention oil interceptor and is discharged to the Cork City Council foul pipeline. Effluent from canteen / sanitary facilities on-site is also discharged to the Cork City Council foul pipeline. There is no on-site water treatment facility, nor is it deemed necessary. Pallet bunding will be provided in the Quarantine Area for items potentially containing liquids. The MRF building has a high quality, solid concrete floor. Outdoors, there are both soft and hard standing areas.

Monitoring of environmental emissions have been considered within the scope of this application. No significant environmental impacts were identified, therefore the requirements of Section 40(4)(b) of the Waste Management Act 1996 are deemed to be satisfied.

A range of management, abatement, treatment and control, in accordance with BAT Guidance Notes for the Waste Sector: Transfer Activities (Draft, November 2004) will be implemented to eliminate or reduce emissions from the facility.

Section 40(4)(cc) of the Waste management Act, 1996 as amended in 2003 requires that the activity concerned is consistent with the objectives of the relevant waste management plan and will not prejudice measures taken or to be taken by the relevant local authority or authorities for the purpose of the implementation of any such plan.

Environmental Policy No: 20 of Cork City Council's Development Plan (2004) aims to reduce waste through reuse and recycling through expanding "*re-cycling activities*" and promoting "*waste reduction*" and "*reducing the amount of waste being sent to landfill in accordance with the Waste Management Plan, 2001.*" The Development Plan notes the importance of locating Material Recovery Facilities within the City Centre.

Furthermore the Waste Management Plan for the Cork County Council 2004-2009 notes the presence of private waste facilities with the area and is "*firmly committed to goal increasing the city's recycling rates with respect to all waste fractions*". In particular emphasis will be paper/cardboard over the coming years as this is the "*largest single waste fraction generated in the city*" each year and it is both biodegradable and recyclable.

Section 40(4)(f) of the Waste management Act, 1996 as amended in 2003 requires that energy will be used efficiently in the carrying on of the activity concerned.

Country Clean Recycling will include the use of energy efficient measures in the maintenance and operation of the facility as outlined below;

- Ensuring equipment is serviced and maintained regularly
 - Ensuring equipment is switched off, if safe to do so, when not in use
 - Perform energy audit in accordance with the EPA Guidance document on Energy Audits within first year of operation
- Section 40(4)(g) of the Waste management Act, 1996 as amended in 2003 requires that any noise from the activity concerned will comply with, or will not result in the contravention of, any regulations under section 106 of the Act of 1992.

Section 40(4)(h) of the Waste Management Act, 1996 as amended in 2003 requires that necessary measures will be taken to prevent accidents in the carrying on of the

activity concerned and, where an accident occurs, to limit its consequences for the environment.

An Environmental Management System will be prepared and implemented at the facility to include environmental management and operational procedures and emergency response procedures. The local fire authority will be consulted with regards to fire fighting procedures for the facility and onsite equipment required. Fire drills will be undertaken. Site personnel will be trained in first aid and appropriate equipment provided on site. Spill kits will be provided on site. Emergency response procedure will include a management structure for dealing with all emergencies on site.

Section **40(4)(i)** of the Waste Management Act, 1996 as amended in 2003 requires that necessary measures be taken upon the permanent cessation of the activity concerned (including such a cessation resulting from the abandonment of the activity) to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state.

In the event of cessation of activities at the Country Clean Recycling propose the following closure and restoration measures:

- The equipment used at the site will be removed by Country Clean Recycling
- Street sweeper vehicles will be used to clean the site
- Office equipment will be removed
- Country Clean Recycling will provide the Environmental Protection Agency with at least six months written notice of any intention to close the facility.

There are no plans to decommission the Country Clean Recycling facility in the foreseeable future.

CCR are in full compliance with their current waste management permit, as granted by Cork City Council. The activity will not cause environmental pollution and as the emissions records show, has no history of incidents of environmental pollution.

L.2 Fit and Proper Person

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the WMA specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).
- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

Supporting information should be included as **Attachment L 2** with reference to where the information can be found in the application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment L.2

Fit and Proper Person

Country Clean Recycling Ltd.
Churchfield Industrial Estate, John F. Connolly Rd., Cork
Waste Licence Application

Project Ref: OES1094_01

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Attachment L.2 Fit and Proper Person

The requirements of Section 10(4) [(a) to (i) of the Waste Management Acts 1996 to 2003 will be met in the following

Emissions from the Facility

Country Clean Recycling will ensure that any emission as a result of the proposed increase in processing operations at the site will not result in the contravention of any relevant standard or regulation or emission limit value. As a result of the history of the site and the information provided as part of the Waste Licence application and Environmental Impact Statement there should not be any contravention of the above mentioned standards.

Country Clean Recycling will operate the facility to ensure compliance with all emission standards and limits set out by the Environmental Protection Agency within the Waste Licence. Environmental monitoring will be implemented for dust, noise, and surface water. The facility is designed to operate to ensure that the facility will not give rise to environmental pollution.

Country Clean Recycling is confident that the standard operational control procedures in place will ensure that environmental emissions from the site will not give rise to significant levels of environmental pollution. As part of the licence monitoring locations have been recommended for environmental emissions from the site.

BAT Best Available Technology

As part of the licence application Country Clean Recycling has optimized the design of the Materials Recovery Facility in order to maximize control over the storage, segregation, and processing of recyclable material.

Fit and Proper Person

CCR has received one summons in accordance under Section S34 (1) of the Waste Management Act. The summons was a result of inappropriate collection of Bio Waste in recyclable waste. The following details the summons which is currently under appeal.

“Breach of condition 2.8 of the Waste Collection Permit WCO/KK/328/06, by collecting waste that was not presented in accordance with Bye-law Number 3 of the Waterford County Council Bye Laws for the Collection, Storage and Presentation of Household Waste and Certain Related Waste Management Matters Number 2 adopted by Resolution of Waterford County Council made the 10th of May 2005 thereby committing an offence under Section 34(1)(a) of the Waste Management Act, 1996, as inserted by section 6 of the Waste management (Amendment) Act, 2001.”

Country Clean are currently appealing this prosecution on the following grounds:

1. Another waste company received a summons for the same offence and were not prosecuted.
2. CCR believe they have been prosecuted for collecting residual waste with organic waste present in the bin. It states the following under condition 3.3 in the byelaw “.....Residual waste presented for collection which includes recyclable waste **(or bio waste when a separate bio waste collection is**

- introduced) will not be collected. It shall be an offence to present residual waste for collection in this way”*
3. Country Clean Recycling Ltd has not introduced a bio waste collection so therefore cannot collect residual waste with bio waste in it.
 4. If CCR are been prosecuted for being in contravention with our waste collection permit, it only Kilkenny County Council who should be prosecuting Country Clean, as there are the local authority in charge of waste collection permits for this region.
 5. The only suitable facility that can treat bio waste in Waterford is at present operating at full capacity and can not accept any further bio waste. Please find attached an e-mail from a waste agent acting on our behalf inquiry if organic waste could be taken into this facility. The facility replied saying they were full.

There have been no offences committed under the Waste Management Act 1996.

No employee of the applicant has been convicted of an offence under the Waste Management Acts 1996. Country Clean Recycling currently holds a Waste Management Permit from Cork City Council and as a result the company has a fit and proper person in place.

Members of the management team have considerable experience in the waste management industry and will be assisted by the Environmental Health and Safety Officer who will attend the FAS Waste Management Course. The staff structure and experience/ qualifications of key staff member involved in the management and operation of the facility has been included in Attachment C.1.

Energy Efficiency

Country Clean Recycling utilizes electricity on site for powering lights & office equipment. Every effort is made to ensure that electricity is used efficiently. Further information relating to energy efficiency is denoted in Attachment G.2 of the Waste Licence application.

Accident Prevention

Country Clean Recycling operates in accordance with a Health & Safety Statement which ensures that all workers are working in a safe environment with procedures in place.

Emergency Response Procedures (included in Attachment J) are implemented and adhered to in the case of threats to the environment, emergency situations outside normal working hours, threats to workers health & safety etc.

Cessation of Activity

In the event that the activities at the site cease, Country Clean Recycling would propose to clean the site, drains and interceptors as detailed in Attachment K.

Any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity are covered by the insurance policy as detailed in Attachment L.1 of the Waste Licence.

SECTION M DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Acts 1996 to 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by : _____

Date : _____

(on behalf of the organisation)

Print signature name: _____

Position in organisation : _____

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Company stamp or seal:

ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results

TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE
Emission Point:

Emission Point Ref. N ^o :	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details	
Diameter:	
Height above Ground(m):	
Date of commencement of emission:	

Characteristics of Emission :

CO	mg/m ³
Total organic carbon (TOC)	mg/m ³
NO _x	mg/Nm ³ 0°C. 3% O ₂ (Liquid or Gas), 6% O ₂ (Solid Fuel)
Maximum volume of emission	m ³ /hr
Temperature	°C(max) °C(min) °C(avg)

- (i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included*):

Periods of Emission (avg)	_____ min/hr _____ hr/day _____ day/yr
---------------------------	--

TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. N ^o :	Not Applicable
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

(i) Volume to be emitted:			
Average/day	m ³ /d	Maximum/day	m ³ /d
Maximum rate/hour	m ³ /h	Min efflux velocity	m.sec ⁻¹
(ii) Other factors			
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources: Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____ %O ₂			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day day/yr
---------------------------	-----------------------------------



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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: Not Applicable

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾					
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max

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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C, 101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.

TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	
D1	Boundary Dust Emissions from the northeast of the Facility	Dust	Not Applicable			<ul style="list-style-type: none"> ▪ All municipal waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being deposited at the site. ▪ Regularly cleaning all hard standing areas within the facility with road sweeping equipment. ▪ Water spraying of hard standing areas in periods of dry weather.
D2	Boundary Dust Emissions from the northwest of the Facility					
D3	Boundary Dust Emissions from the southwest of the Facility					
D4	Boundary Dust Emissions from the southeast of the Facility					

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1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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TABLE E.2(i): EMISSIONS TO SURFACE WATERS

(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SW1
Source of Emission:	Roof runoff only
Location :	Roof runoff, from all buildings on site
Grid Ref. (10 digit, 5E,5N):	E166054 N73677
Name of receiving waters:	Cork City Council Storm Water Sewer
Flow rate in receiving waters:	Not Applicable _____ m ³ .sec ⁻¹ Dry Weather Flow Not Applicable _____ m ³ .sec ⁻¹ 95%ile flow
Available waste assimilative capacity:	Not Applicable _____ kg/day

Emission Details:

(i) Volume to be emitted			
Normal/day		Maximum/day	
Maximum rate/hour			

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (start-up /shutdown to be included):

Periods of Emission (avg)	_____ min/hr _____ hr/day day/yr
---------------------------	----------------------------------



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TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : SW-1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
<p>This discharge comprises rainwater from uncontaminated areas</p> <p>There is no current or proposed treatment of this rainwater</p>									

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Comments

Emissions to the surface water drainage system arise solely from the on site roof runoff. No process waters are produced or discharged to SW1. All surface water from the roof will be discharged to Cork City Council Storm water sewer to the north of the site.

TABLE E.3(i): EMISSIONS TO SEWER

(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SE-1
Location of connection to sewer :	Manhole Post treatment via the Class 1 Full Retention Oil Interceptor
Grid Ref. (10 digit, 5E,5N):	E66084 N73675
Name of sewage undertaker:	Cork City Council foul water sewer

Emission Details:

(i) Volume to be emitted			
Normal/day	m ³	Maximum/day	m ³
Maximum rate/hour	m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ min/hr _____ hr/day day/yr
---------------------------	-------------------------------------

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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : Post Oil interceptor - SE-1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
<u>Oils fats, and greases</u>									
<u>pH (pH) units</u>					6-9				
<u>Temperatures</u>					18				
<u>BOD</u>					400				
<u>COD</u>					1100				
<u>OFG</u>					10				
<u>Suspended Solids</u>					300				
<u>Conductivity</u>					1500				

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TABLE E.4(i): EMISSIONS TO GROUNDWATER (1 Page for each emission point)

Emission Point or Area: Non Applicable

Emission Point/Area Ref. N ^o :	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

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Emission Details:

(i) Volume to be emitted			
Normal/day	m ³	Maximum/day	m ³
Maximum rate/hour	m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr	_____hr/day day/yr
---------------------------	-------------	-----------------------



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Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission
				31.5	63	125	250	500	1K	2K	4K		

1. For items of plant sound power levels may be used.

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TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : SW1

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
<p><u>This discharge comprises rainwater from uncontaminated areas</u></p> <p><u>There is no current or proposed treatment of this rainwater</u></p>				

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
<p><u>This discharge comprises rainwater from uncontaminated areas</u></p> <p><u>There is no current or proposed treatment of this rainwater</u></p>			

- ¹ List the operating parameters of the treatment / abatement system which control its function.
- ² List the equipment necessary for the proper function of the abatement / treatment system.
- ³ List the monitoring of the control parameter to be carried out.



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**TABLE F.2 to F.8: EMISSIONS MONITORING AND SAMPLING POINTS-
(1 table per media)**

Emission Point Reference No(s). : SE-1

Parameter	Monitoring frequency	Accessibility of Sampling Points
Oils fats, and greases	Quarterly	Good
pH (pH) units	Quarterly	Good
Temperatures	Quarterly	Good
BOD	Quarterly	Good
COD	Quarterly	Good
Suspended Solids	Quarterly	Good
Conductivity	Quarterly	Good

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TABLE F: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS(1 table per media)

Monitoring Point Reference No : D1,D2,D3,D4 & O1,O2,O3,O4 _____

Parameter	Monitoring frequency	Accessibility of Sampling point
<p>Dust Deposition</p> <p>D1 (E166066 N73608) D2 (E166125 N73615) D3 (E166167 N73598) D4 (E166135 N73536)</p> <p>Odour</p> <p>O1 (E166066 N73608) O2 (E166125 N73615) O3 (E166167 N73598) O4 (E166135 N73536)</p>	<p>Three times annually</p> <p>Weekly</p>	<p>Good.</p> <p>Good.</p>

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Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. N ^o or Code	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R ⁽³⁾ - Phrase	S ⁽³⁾ - Phrase
	Water				2,005 M ³	Site Requirements		
	Odour Neutraliser				1,200 L	Materials Recovery Facility		
	Hydraulic Oil				780 L	Site Machinery		
	Engine Oil				3,650 L	Site Machinery		
	White Motor Diesel				176,810 L	Site Machinery		
	Green Diesel Oil				145,200 L	<ul style="list-style-type: none"> • Onsite machinery (Forklifts, Loaders etc), • 2 on site Trommels/Screeners, • Shredder. • Generator for baler. • Geneartor for picking lines and stone crusher, • Geneartor for steel baler. 		
	Paint. Fast Drying Primer (Selemix System)				220 KG	Materials Recovery Facility		
	Coolant				200 L	Site Machinery		
	Degreasing Solvent				150 L	Site Machinery		
	Multipurpose Grease				780 Kg	Site Machinery		
	Satin Black Aerosol Spray				98 Litres	Materials Recovery Facility		

Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.



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- 2. c.f. Article 2(2) of SI N° 77/94
- 3. c.f. Schedules 2 and 3 of SI N° 77/94

TABLE H.1 (i): WASTE - Hazardous Waste Recovery / Disposal

Not Applicable

Waste material	EWC Code	Main source ¹	Quantity		On-site Recovery/Disposal (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			

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¹ A reference should be made to the main activity / process for each waste.

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TABLE H.1(ii) WASTE - Other Waste Recovery / Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ² (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
Mixed Dry Recyclables	20 03 01	Municipal sources	C.536.75		See Section D.2 of the Waste Licence Application. <i>For inspection purposes only. Consent of copyright owner required for any other use.</i>	See Section D.2 of the Waste Licence Application.	See Section D.2 of the Waste Licence Application.
Cardboard packaging & paper packaging	15 01 01	Municipal sources	C. 71.8				
Plastic	20 01 39	Municipal sources	C.1.3				
Plastic	17 02 03	Construction and Demolition	C.8.1				
Glass packaging	15 01 07	Municipal sources	C.12.6				
Glass	17 02 02	Construction and Demolition	C.16.8				
Wood	17 02 01	Construction and Demolition	C.66.25				
Lead batteries	16 06 01*	Municipal sources	C.1.4*				
Tyres	16 01 03	Construction and Demolition	C.1.8				
Other WEEE	16 02 14 / 20 01 36	Municipal sources	C.0.25*				
Mixed metals from construction and demolition waste	17 04 07	Construction and Demolition waste	C.135.7				
Cables from construction and		Construction and Demolition	C.2.75				
	17 04 11						

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Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ² (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
demolition waste not containing dangerous substances							
Aluminium from construction and demolition waste	17 04 02	Construction and Demolition	C.2.8				
Copper, brass, bronze from construction and demolition waste	17 04 01	Construction and Demolition	C.0.08				
Rubble Top Soil from C&D	17 05 04	Construction and Demolition	C.1987.9				
Plasterboard gypsum-based construction materials	17 08 02	Construction and Demolition	C.31.2				

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- 1 A reference should be made to the main activity/ process for each waste.
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1



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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: _____ Not Applicable _____

Parameter	Results (mg/l)				Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

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Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO ₄							

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Table I.4(i) GROUNDWATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: ___ Not Applicable ___

Parameter	Results (mg/l)				Sampling method (Composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO ₄							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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Table I.6 (i) Ambient Noise Assessment

Third Octave analysis for noise emissions should be used to determine tonal noises

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY				
Location 1:	South -western boundary of Facility N1 (E166081 N73528)	70.8 (Day) 39.9 (Night)	72.6 (Day) 41.9 (Night)	69.0 (Day) 38.0 (Night)
Location 2:	North-western boundary of Facility N2 (E166064 N73629)	57.6 (Day) 44.4 (Night)	69.2 (Day) 46.9 (Night)	51.8 (Day) 41.9 (Night)
Location 3:	North-eastern boundary of Facility N3 (E166161 N73630)	54.2 (Day) 37.5 (Night)	72.1 (Day) 39.9 (Night)	42.4 (Day) 35.6 (Night)
Location 4:	South-eastern boundary of Facility N4 (E166155 N73551)	67.1 (Day) 36.2 (Night)	70.2 (Day) 38.2 (Night)	64.1 (Day) 34.1 (Night)
Location 5:	Wood Shredder N5 (E166154 N73580)	82.5 (Day)	86.2 (Day)	77.9 (Day)
2. NOISE SENSITIVE LOCATIONS	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A)_{eq}	L(A)₁₀	L(A)₉₀
Location 6:	Located on agricultural land to the east of the Materials Recovery Facility NSL1 (E166191 N73590)	47.3 (Day) 43.3 (Night)	49.6 (Day) 47.9 (Night)	44.8 (Day) 39.8 (Night)
Location 7:	Located on agricultural land to the north of the Materials Recovery Facility NSL2 (E166117 N73645)	44.4 (Day) 41.1 (Night)	46.7 (Day) 42.4 (Night)	42.3 (Day) 39.8 (Night)

NOTE: All locations should be identified on accompanying drawings.