ORIGINAL

APPLICATION TO REVIEW

WASTE LICENCE REG. NO. W0111-01

SOUTH EAST RECYCLING CO. LTD

PEMBROKESTOWN

CO. WEXFORD

Prepared For: -

South East Recycling Co. Ltd.,
Carrigbawn,
Pembrokestown,
Co. Wexford.

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

8th February 2007

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Licence Application Form

EPA Ref. Nº: *(Office use only)*	

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.

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

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

CONTENTS

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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Section 12(1) of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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** ☒	**Official** ☐

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

LOCATION	Not applicable	
CHECKED	**Applicant** ☒	**Official** ☐

(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	Not applicable	
CHECKED	**Applicant** ☒	**Official** ☐

(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	Not applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section Non Technical Summary of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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	See Section 1 of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 1 of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Section 1 of the

	accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

(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	See Drawings of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Drawings of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	See Drawings of the accompanying Document	
CHECKED	**Applicant** ☒	**Official** ☐

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

INCLUDED Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

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** ☒	**Official** ☐

CD OF PDF FILES PROVIDED? Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

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	N	
CHECKED	**Applicant** ☒	**Official** ☐
3 HARD COPIES OF EIS INCLUDED ? Y/N	Not applicable	
CHECKED	**Applicant** ☒	**Official** ☐
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	Not applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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.

The Non-Technical Summary should form **Attachment A.1**.

See Non-Technical Summary of the accompanying Document**.**

SECTION B GENERAL

B.1 Applicant's Details

Name*:	South East Recycling Co Ltd.,
Address:	South East Recycling Centre,
	Carrigbawn,
	Pembrokestown,
	Co. Wexford.
Tel:	(053) 9142295
Fax:	(053) 9146000
e-mail:	

* 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:	Mr. Micheal Geary, Greenstar Ltd.,
Address:	Floor 3, Burton Court,
	Burton Hall Road,
	Sandyford,
	Dublin 18
Tel:	01-2063788
Fax:	01-2063781
e-mail:	

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

Address:	South East Recycling Centre,
	Carrigbawn,
	Pembrokestown,
	Co. Wexford.
Tel:	(053) 9142295
Fax:	(053) 9146000
e-mail:	

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.

See accompanying document.

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

Landowner	☐
Lessee	☒
Prospective Purchaser	☐
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:	Des Mernagh
Address:	Carrigbawn
	Pembrokestown
	County Wexford
Tel:	053 - 46969
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:	As per above
Address:	
Tel:	
Fax:	
e-mail:	

*Current at the time the application is submitted

B.2 Location of Activity

Name:	South East Recycling Centre,
Address*:	Carrigbawn
	Pembrokestown
	County Wexford
Tel:	053 42295
Fax:	053 46000
e-mail:	

* Include any townland

National Grid Reference (8 digit 4E,4N)	3037 E 1195 N

Location maps (≤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.

B.3 Planning Authority

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

Name:	Wexford County Council
Address:	County Hall
	Wexford
Tel:	053 76500
Fax:	053 43406

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** ☒
	No ☐

Planning Permission relating to this application:

has been obtained	☒
is being processed	☐
is not yet applied for	☐
is not required	☒

Local Authority Planning File Reference Nº:	89/1089 94/0349

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.*

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:	Wexford County Council
Address:	County Hall
	Wexford
Tel:	053 76500
Fax:	053 43406

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.

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** ☐	**No** ☒

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

Name:	Health Service Executive; South Eastern Health Board
Address:	Lacken,Dublin Road, Kilkenny
Tel:	(056) 51702
Fax:	

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 (≤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.

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.**

Please refer to Pages 4-5 of attached Report

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**P**
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.	
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.	
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)	50,000
Year	2007

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)	10,000
Recovery of Waste (4)	Not Applicable
	10 000

TABLE B.7.4 (FOR A LANDFILL APPLICATION) - *NOT APPLICABLE*

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

(a) landfill for hazardous waste	☐
(b) landfill for non-hazardous waste	☐
(c) landfill for inert waste	☐

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 ☐	No ☒

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

This information should form **Attachment C 1**.

Details of the applicant's experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment C 1.**

See Section 40(4)d of the accompanying document.

C.2 Environmental Management System

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

– Full documented EMS available on site. This system has been audited by the Agency.

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.

See Accompanying Document

(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.

C.4 Conditioning Plan

Not Applicable

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

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	Site security and fencing
D.1.b	**Designs for site roads**	Y	Concrete hardstanding
D.1.c	**Design of hardstanding areas**	Y	Concrete hardstanding
D.1.d	**Plant**	Y	See Accompanying Document
D.1.e	**Wheel-wash**	Y	Truck Wash facility on site
D.1.f	**Laboratory facilities**	N	Not applicable
D.1.g	**Design and location of fuel storage areas**	Y	Bunded diesel fuel tank on site
D.1.h	**Waste quarantine areas**	Y	See Drawings
D.1.i	**Waste inspection areas**	Y	Vehicle unloading area
D.1.j	**Traffic control**	Y	Operations manager responsible for traffic management on site
D.1.k	**Sewerage and surface water drainage infrastructure**	Y	
D.1.l	**All other services**	Y	Weighbridge; Main offices; Maintenance building;
D.1.m	**Plant sheds, garages and equipment compound**	Y	As per D1.1 above
D.1.n	**Site accommodation**	Y	As per D1.1 above
D.1.o	**A fire control system, including water supply**	Y	Fire water retention on site

D.1.p	**Civic amenity facilities**	Y	Facility for members of public to dispose of waste on site
D.1.q	**Any other waste recovery infrastructure**	N	
D.1.r	**Composting infrastructure**	N	Not applicable
D.1.s	**Construction and Demolition waste infrastructure**	Y	On site storage only
D.1.t	**Incineration infrastructure (if applicable).** **Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive**		Not applicable
D.1.u	**Any other infrastructure**		

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*.

See Section 12(1)I of the Accompanying Document

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

LANDFILLS *(NOT APPLICABLE)*

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.

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**		
D.3.b	**What type of liner system is specified?**		

D.3.c	**Has a Quality Control Plan been specified?**		
D.3.d	**Has a Quality Assurance Plan been specified?**		
D.3.e	**Have independent, third-party supervision, testing and controls been specified?**		
D.3.f	**Have basal gradients for all cells and access ramps to the cells been designed?**		
D.3.g	**Has a leak detection survey been specified?**		

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?**		
D.4.b	**Have annual quantities of leachate been calculated?**		
D.4.c	**Has the total quantity of leachate been calculated?**		
D.4.d	**Have the size of the cells been specified taking account of the water balance calculations?**		
D.4.e	**Has a leachate collection system been specified?**		
D.4.f	**Has a leachate storage system been specified?**		
D.4.g	**Has a system for monitoring the level of leachate in the waste been designed?**		
D.4.h	**Is leachate recirculation proposed/practised?**		
D.4.i	**Has leachate treatment on-site been specified?**		
D.4.j	**Has leachate removal been specified?**		

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.

Table D.5. Landfill Gas Management

		y/n	Comments
D.5a	**Is there a Landfill Gas Management Plan?** **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:**		
D.5b	**Is there a passive venting system?**		
D.5c	**Does the passive system cover all of the filled area?**		
D.5d	**Have gas alarm systems been installed in the site buildings?**		
D.5e	**Have measures been installed to prevent landfill gas migration (e.g. barriers)?**		
D.5f	**Has a time-scale been proposed for the installation of landfill gas infrastructure?**		
D.5g	**Is gas flaring undertaken at the site?**		
D.5h	**Is there an active (i.e., pumped) landfill gas extraction system?**		
D.5i	**Does the active system cover all of the filled area?**		
D.5j	**Is landfill gas used to generate energy at the site?**		
D.5k	**Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?**		
D.5l	**Has a maintenance programme for the control system been specified?**		
D.5m	**Has a condensate removal system been designed?**		

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?**		
D.6b	**Has the intermediate cover been specified?**		
D.6c	**Has the temporary capping been specified?**		
D.6d	**Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?**		
D.6e	**Does the Capping System include a flexible membrane liner?**		
D.6f	**Have all capping materials been specified?**		
D.6g	**Has a Method Statement for construction been produced?**		
D.6h	**Has a Quality Control Plan been produced?**		
D.6i	**Has a Quality Assurance Plan been produced?**		
D.6j	**Has a programme for monitoring landfill stability been developed?**		
D.6k	**Has a programme for monitoring landfill settlement been developed?**		

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.

See Section 12(1)k of the Accompanying Document

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.

E.2 Emissions to Surface Waters

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

E.3 Emissions to Sewer

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

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**

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**

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

Bird Control	**Control method specified**	**yes** ☐	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Dust Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Fire Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Litter Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Traffic Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Vermin Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒
Road Cleansing	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☒
	Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems
See Section 12(1)I of the Accompanying Document

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 (≤A3) as appropriate.

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

Attachment F.1 should contain any supporting information.

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** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.6 Noise

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.7 Meteorological Data (Not applicable)

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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

F.8 Leachate (Not applicable)

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

F.9 Landfill Gas (Not applicable)

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:

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** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

See Section 12(1)H of the Accompanying Document

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** ☒ **no** ☐ **not applicable** ☐

G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided in **Attachment G.2**.

See Section 12(1)H of the Accompanying Document

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

See Section 12(1)G of the Accompanying Document

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	X	25000
Class 3			Class 3	X	4000
Class 4			Class 4	X	10000
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	X	2500	Class 11		
Class 12	X	2500	Class 12		
Class 13	X	5000	Class 13	X	1000

*Estimate

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)
2007	50000	0	50000
2008	50000	0	50000

2009	50000	0	50000
2010	50000	0	50000
2011	50000	0	50000

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) W0111-01	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household		10,000	Unknown
Commercial	5,000	20,000	Unknown
Sewage Sludge			
Construction and Demolition	3,500	10,000	Unknown
Industrial Non-Hazardous Sludges			
Industrial Non-Hazardous Solids	3,500	10,000	Unknown
Hazardous *(Specify detail in Table H 1.2)**	0	0	0
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	Not applicable		
Oil filters	Not applicable		
Asbestos	Not applicable		
Paint and Ink	Not applicable		
Batteries	Not applicable		
Fluorescent Light Bulbs	Not applicable		
Contaminated Soils	Not applicable		

OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
Not applicable			

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.

H.2 Waste Acceptance Procedures

See Section 12(1)I of the Accompanying Document

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.**

H.3 Waste Handling

See Section 12(1)I of the Accompanying Document

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 – Not Applicable

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.

H.4 Waste Arisings – *Not applicable*

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 (m^3) and tonnage (t) for their waste stream.

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
See Section 12(1)k of the Accompanying Document

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.

I.2. Assessment of Impact on Receiving Surface Water
See Section 12(1)k of the Accompanying Document

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.**

I.3. Assessment of Impact of Sewage Discharge.

See Section 12(1)k of the Accompanying Document

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.**

I.4 Assessment of impact of ground/groundwater emissions

See Section 12(1)k of the Accompanying Document

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.

I.5 Ground and/or groundwater contamination

See Section 12(1)k of the Accompanying Document

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 (≤A3), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5**.

I.6 Noise Impact.

See Section 12(1)k of the Accompanying Document
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 (≤ A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6.**

I.7 Assessment of Ecological Impacts & Mitigation Measures
Please refer to Section 4.7 of EIS dated August 1999.

The ecology of the site and the surrounding area should be assessed in the vicinity of the largescale 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*

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

See Section 12(1)p of the Accompanying Document
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 ☐	no ☒	not applicable ☐

SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

See Section 12(1)q of the Accompanying Document

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 ☐	no ☒	not applicable ☐

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

See Section 12(1)j of the Accompanying Document

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 ☒	no ☐	not applicable ☐

L.2 Fit and Proper Person

See Section 12(1)j of the Accompanying Document

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** ☒	**no** ☐	**not applicable** ☐

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.

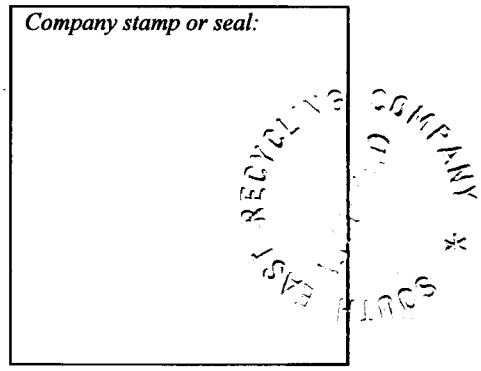
Signed by : _____ **Date :** 8/2/2007
(on behalf of the organisation)

Print signature name: E5 BOLGER

Position in organisation : COMPANY SECRETARY

EAMON BOLGER
COMPANY SECRETARY

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 – *NOT APPLICABLE*
Emission Point:

Emission Point Ref. Nº:	
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
NOx		mg/Nm^3 0ºC. 3% O_2(Liquid or Gas), 6% O_2(Solid Fuel)
Maximum volume of emission		m^3/hr
Temperature	ºC(max) ºC(min)	ºC(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)

NOT APPLICABLE

Emission Point Ref. Nº:	
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	^oC(max)	^oC(min)	^oC(avg)
For Combustion Sources: Volume terms expressed as : ☐ wet. ☐ 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

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

1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0^{o}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

NOT APPLICABLE

Emission point Reference Numbers	Description	Emission details[1]				Abatement system employed
		material	mg/Nm$^{3(2)}$	kg/h.	kg/year	

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^{o}C101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

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

Emission Point:

Emission Point Ref. Nº:	
Source of Emission:	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Name of receiving waters:	
Flow rate in receiving waters:	_____ $m^3.sec^{-1}$ Dry Weather Flow _____ $m^3.sec^{-1}$ 95%ile flow
Available waste assimilative capacity:	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

TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - 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)	kg/day	kg/year	

TABLE E.3(i): EMISSIONS TO SEWER(One page for each emission)
Please refer to attachment 18.4 (Sewer Discharge Licence) in attached Report.
Emission Point:

Emission Point Ref. N^{o}:	FW1
Location of connection to sewer :	Discharge to public sewer at Pembrokestown
Grid Ref. (10 digit, 5E,5N):	303871; 119583
Name of sewage undertaker:	Water Services Department, Wexford County Council

Emission Details:

(i) Volume to be emitted			
Normal/day	m^3	Maximum/day	**40m^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

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

Emission point reference number : FW1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l) Emission Limit (Wexford Co. Co. Discharge Licence)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
BOD		400							
COD		1500							
Suspended solids		500							
Temperature		30^0C							
pH		6-9 pH units							
Chloride		250							
Sulphate		250							
Oils, fats and grease		30							
Arsenic		0.025							
Chromium		0.005							
Copper		0.005							
Lead		0.005							
Zinc		0.1							
Nickel		0.008							
Cyanide		0.010							
Fluoride		0.5							

TABLE E.4(i): EMISSIONS TO GROUNDWATER (1 Page for each emission point)

Emission Point or Area: *NONE*

Emission Point/Area Ref. Nº:	
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:	

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

Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet
See Section 12(1)k of the Accompanying Document

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	8K		

1. For items of plant sound power levels may be used.

TABLE F.1: ABATEMENT / TREATMENT CONTROL
See Section 12(1)i of the Accompanying Document

Emission point reference number *:*_____

Control[1] parameter	Equipment [2]	Equipment maintenance	Equipment calibration	Equipment back-up

Control[1] parameter	Monitoring to be carried out[3]	Monitoring equipment	Monitoring equipment calibration

[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.

TABLE F.2 to F.8 : EMISSIONS MONITORING AND SAMPLING POINTS - (1 table per media)

Emission Point Reference No(s). : _____

Parameter	Monitoring frequency	Accessibility of Sampling Points
Emissions to Foul sewer	Quarterly	Good

TABLE Ff: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS (1 table per media)

See Section 12(1)k of the Accompanying Document

Monitoring Point Reference No :_

Parameter	Monitoring frequency	Accessibility of Sampling point

Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

**** See Section 12(1)h of the Accompanying Document***

Ref. Nº 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

Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
2. c.f. Article 2(2) of SI Nº 77/94
3. c.f. Schedules 2 and 3 of SI Nº 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			

[1] A reference should be made to the main activity / process for each waste.

TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal
See Section 12(1)g of the Accompanying Document

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			

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

Table I.2(i) SURFACE WATER QUALITY

See Section 12(1)k of the Accompanying Document

(Sheet 1 of 3) Monitoring Point/ Grid Reference:

Parameter	**Results (mg/l)**				**Sampling method[2] (grab, drift etc.)**	**Normal Analytical Range[2]**	**Analysis method / technique**
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Chloride Cl							
Oils Fats and Grease							
Total suspended solids							

NR = No Result

Table I.4(i) GROUNDWATER QUALITY

See Section 12(1)k of the Accompanying Document

(Sheet 1 of 1) Monitoring Point/ Grid Reference:

Parameter	**Results (mg/l)**				**Sampling method (composite etc.)**	**Normal Analytical Range**	**Analysis method / technique**
pH							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
BOD							
Water level (m OD)							

NR = No Result

Table I.6(i) Ambient Noise Assessment

See Section 12(1)k of the Accompanying Document

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				

NOTE: All locations should be identified on accompanying drawings.

APPLICATION TO REVIEW

WASTE LICENCE REG. NO. W0111-01

SOUTH EAST RECYCLING CO. LTD

PEMBROKESTOWN

CO. WEXFORD

Prepared For: -

South East Recycling Co. Ltd.,
Carrigbawn,
Pembrokestown,
Co. Wexford.

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

8th February 2007

TABLE OF CONTENTS

DRAWINGS

APPENDICES

INTRODUCTION

South East Recycling Co. Ltd (SERC), Carrigbawn, Pembrokestown, County Wexford is applying to the Environmental Protection Agency (Agency) for a review of the Waste Licence for its Materials Recovery and Transfer Station at Pembrokestown, Co. Wexford (W0111-01). The objectives of the review are: -

- To increase the overall limit on annual waste inputs from the 13,500 tonnes specified in Schedule A of the licence to 50,000 tonnes per annum.

- To amend the waste types specified in Schedule G of the licence to include non-hazardous Household Wastes.

- To amend the existing hours of operation (8.00am - 6.30pm Monday to Friday and 8.00am - 2.00pm Saturday) and waste acceptance (8:00am - 5.30pm Monday to Friday and 8.00a.m. - 1.00p.m. on Saturdays) to 7.30am - 7.00pm Monday to Friday and 7.30am - 2.30pm Saturday. It is also proposed to accept waste and operate from 7.30am - 5.00pm on the six Saturdays following Bank Holiday weekends.

- To amend the licensed activities to include Class 12 of the Third Schedule – Waste Disposal Activities of the Waste Management Acts 1996 to 2003.

The format of the application is based on the requirements of Parts II and III of the Waste Management (Licensing) Regulations 2004 (2004 Regulations) and in particular Articles 5, 6, 7, 9, 12 and 13 of the Regulations.

1. ARTICLE 5, 6, 7 & 9

A copy of the notice published in a newspaper circulating in the area, a copy of the site notice and the written notice submitted to the planning authority are included overleaf. The location of the site notice is shown on Drawing No. 5.

elopment will consist of the con-
ıction of an access road and an
rnal network of roadways, one-
y routes, junctions, roundabout,
lestrian crossings, turning areas,
, skid area, parking area and all
ociated site development works
l services. The planning applica-
ı may be inspected or purchased
he offices of the planning author-
at Áras Chill Dara, Devoy Park,
as, Co. Kildare, during the hours
0am to 1.00pm and 2.00pm to
0pm Monday to Friday (Except
olic Holidays). A submission or
ervation in relation to the appli-
ion may be made in writing to the
nning authority on payment of a
of Eur20 within 5 weeks from
omission of application to the
nning Authority.

ATH COUNTY COUNCIL I, lin Stanley, intend to apply for mission for development at The idocks, Porterstown Lane, toath, Co. Meath. The develop-nt will consist of a detached ıse, domestic garage and a pro-etary effluent treatment system l percolation area and all associ-d site works.The planning appli-ion may be inspected or pur-ased at the offices of Meath unty Council, Planning ıthority, Planning Section, unty Hall, Navan and / or the nshauglin Area Office during rmal working hours. A bmission or observation in rela-n to the application may be made writing to the Planning Authority payment of a fee of Eur20 within period of 5 weeks beginning on date of receipt by the Planning ıthority of the application.

LEGAL

N CHUIRT CHUARDA THE RCUIT COURT DUBLIN RCUIT COUNTY OF THE TY OF DUBLIN IN THE ATTER OF THE LICENSING CTS, 1833 TO 2000 And, In rticular, In the Matter of the censing Ireland Act, 1902 Section The Intoxicating Liquor Act, 60, Section 23 and the toxicating Liquor (General Act) 24, Section 14. And in the Matter an Application by JOHN LYNCH ominee of Wine Taverns Limited) ving its registered office at 7 Inns ourt, Winetavern Street, Dublin 8 AKE NOTICE that JOHN YNCH of Kalyn House, Beaulieu, rogheda, Co. Louth nominee of inetaverns Limited having its reg-ered office 7 Inns Court, inetavern Street, Dublin 8 intends apply to the Dublin Circuit Court . 26, Chancery Place, Dublin 7 ı the 22nd day of March 2007 or ı such day thereafter as this pplication may be taken in its der in the Court list for such CER-IFICATE as is mentioned in ection 2 of the Licensing (Ireland) ct, 1833, enabling the said pplicant to obtain an Excise icence (commonly called on rdinary Publican's Licence) to sell toxicating Liquor for consump-on on or off the premises known as he Fairview Inn, Fairview, Dublin which premises are more particu-rly described on the plans and rawings accompanying this pplication. Dated this 1st day of ebruary 2007. Signed: Applicant igned: O 'Donovan Solicitors 73 apel Street, Dublin 1 To: The uperintendent of the Garda iochana, Raheny, Dublin 5, The idge of the District Court, Aras Ui halaigh, Inns Quay, Dublin 7 The hief Fire Officer for Dublin, ownsend Street, Dublin 2The ounty Registrar, Circuit Court ffice, Aras Ui Dhalaigh, Inns uay, Dublin 7

PPLICATION TO CORK OUNTY COUNCIL for a Waste ollection Permit relating to activi-es in Cork County Council/Cork ity Council areas. I John Farrell of ohn Farrell Haulage, Chancellors oad Bessbrook, Newry, Co.Down, ntend to make an application to ork County Council for a Waste ollecion Permit within two weeks. to the said application.

APPLICATION TO OFFALY COUNTY COUNCIL for a waste collection permit relating to activities in Laois, Longford, North Tipperary, Offaly & Westmeath. I, John Farrell, of John Farrell Haulage will be making an application to Offaly County Council within two weeks from the date of this notice tor a waste collection permit to collect waste of textiles and non hazardous waste in Laois, Longford, North Tipperary, Offaly & Westmeath. A copy of the application will, as soon as is practicable after receipt by Offaly County Council, be available for inspection and for purchase at the principal offices of Offaly County Council, Laois, Longford, North Tipperary and Westmeath County Councils. Any member of the public may, within a period of six weeks of the application being published, make a written submission to Offaly County Council in relation to this application.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF WASTE LICENCE REG. NO. W0111-01 South East Recycling Company Ltd., Carrigbawn, Pembrokestown, County Wexford is applying to the Environmental Protection Agency for a review of Waste Licence Reg. No. W0111-01 in respect of its operations in the townland of Carrigbawn, which is located at National Grid References: 3037 E 1195 N. The aims of the review are to increase the annual waste inputs from 13,500 tonnes to 50,000 tonnes annually; amend the waste types to include Non-hazardous Household wastes; amend the hours of waste acceptance and operation, and include Class 12 of the Third Schedule of the Waste Managements Acts 1996 - 2003 to the licensed activities. The types of waste accepted at the facility will be: Non-hazardous - Household, Industrial & Commercial and Construction & Demolition waste. The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: - Third Schedule – Waste Disposal Activities 11:'Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule'. 12:'Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule'. 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 – Waste Recovery Activities Principal Activity: 2:'Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)'. Other Activities: 3:'Recycling or reclamation of metals and metal compounds'. 4:'Recycling or reclamation of other inorganic materials'. 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'. A copy of this application for a review of the waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle, Co. Wexford.

skills en route from Dubai to Malaysia.

Clarke whipped a tasty pasta in the galley of he and Lee Westwood's private jet as they flew high over the Bay of Bengal, India and onto Kuala Lumpur for this week's Malaysian Open title.

The jet has a range of 5,900 kilometres and a maximum flying height of 13,716 meters.

Westwood is delighted with the purchase and his arrival into Kuala Lumpur this year is in stark contrast to his first visit in 1997, when he flew economy class ahead of capturing the Malaysian Open title.

"When you spend 32 weeks a year away from home, having your own private jet can be the difference between 12 and 16 hours extra at home a week," he said.

"Buying the jet was the biggest luxury of my life but it's worth every penny.

"The in-flight service was pretty good coming out, with Darren doing the cooking. He's actually a great cook."

Concern

Meanwhile, Gary Murphy was among many to voice concern over the unfairness of the Saujana course and host venue of the Malaysian Open.

Players arrived at the course on Tuesday to find the fairways and rough resembling a Major Championship.

Murphy, who lost a ball at the 11th, said: "Not even the Malaysian Army could have found it."

Tournament Director David Garland responded to complaints by having the rough cut.

INDIA EYE OZ TIE IN IRELAND

INDIA plan to play three one-day internationals against Australia in Ireland in June, the Indian cricket board announced yesterday.

Secretary Niranjan Shah said the board's working committee had approved the series at its meeting and discussions had begun with Cricket Australia.

The series will precede India's test and one-day tour of England in July.

Confirm

The games will take place at Stormont on June 27, June 29, and July 1st.

Members of the Indian Board of Control and Cricket Australia will visit Ireland next week to confirm the arrangements.

The games will be televised live on ZEE Tv.

It is believed the excellent hosting of England v Ireland last June was key to the award of this series.

IRISH RACE FOR DRIVES OVERSEAS

WITH the new circuit motor racing season just around the corner, there are a number of Irish drivers looking to find drives abroad in their push to climb up the International Motorsport ladder.

Dublin-born racers Michael Devaney and Paddy Hogan are eyeing up race deals in the USA at present.

Devaney has had a big falling out with Mark Gallagher and Mark Kershaw of Team Ireland A1 Grand Prix and has been replaced in the team by Richard Lyons.

Devaney says he will now turn his attention to trying to secure a seat in the Formula Atlantic series in the States. As yet the 21-year-old had not reached a deal.

Paddy Hogan is likewise perusing a deal in the States after his second-placed finish in last year's British Formula Renault series.

Hogan won the 2006 Motorsport Ireland Young Driver of the Year award.

One Irish driver who has sorted his 2007 season is Dundalk's Niall Breen, the 2006 UK Formula BMW champion, who will race in Lloyds TSB Insurance British Formula 3 Championship with Carlin Motorsport.

Podium

The 20-year-old from County Louth dominated the Formula BMW UK Championship last year, taking nine victories and 16 podium places from 20 races.

He joins the Carlin team in the unofficial junior world championship series.

Breen is set to start only his third season of single-seater racing, after finishing 11th in his first year of Formula BMW in 2005.

Breen says he aims to become a professional racing driver after his UCD law exams in May.

Carlin will use a Mercedes engine to power its Dallara chassis, hoping to maintain the position as the most successful team in British F3 history, with 73 race wins.

Breen will race in the Championship Class alongside Sam Bird and Mario Moraes.

Breen said: "I've got 12 days testing before racing, so by the first race at Oulton Park at Easter, I

RETURN: Fildes

should be comfortable with the extra power."

Meanwhile County Meath's Jonathan Fildes, the 2003 British ELF Renault Clio Cup Champion, is to make a return to the category this season — the first with the brand new Clio Renaultsport 197 car — after signing a deal with Total Control Racing.

The 31-year-old made the decision to return to the Clio Cup after a meeting with team boss Lee Brookes at the Autosport International Show.

"I'm certainly not returning to the Clio Cup to come second," said Fildes.

"We went along to the Autosport show without thinking we'd come away with a deal to race,"

Having beaten all before him in Ireland in a variety of saloon car championships between 1994 and 2002, Filde's first ever season of racing in the UK came in 2003 when he won the competitive Clio Cup series.

Return

In 2004, he made the switch to rear-wheel drive with a season in the Porsche Carrera Cup GB, ending the year fourth overall.

After opting to return in 2005, Fildes totally dominated the Dunlop Supercars Championship.

Last year the SEAT Cupra Championship was tough for Fildes but he still managed to end the campaign sixth overall in the driver standings.

"I'm delighted Jonathan has signed a deal with us," said TCR boss Lee Brookes.

The Brands Hatch Indy Circuit in Kent will stage the first Clio race meeting of the 2007 season on Saturday, March 31, and Sunday, April 1.

STAR Newspaper 8-2-07

SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR

THE REVIEW OF WASTE LICENCE REG. NO. W0111-01

South East Recycling Co. Ltd, Carrigbawn, Pembrokestown, County Wexford is applying to the Environmental Protection Agency for a review of Waste Licence Reg. No. W0111-01 in respect of its operations in the townland of Carrigbawn, which is located at National Grid References: 3037 E 1195 N. The aims of the review are to increase the annual waste inputs from 13,500 tonnes to 50,000 tonnes annually; amend the waste types to include Non-hazardous Household wastes; amend the hours of waste acceptance and operation, and include Class 12 of the Third Schedule of the Waste Managements Acts 1996 - 2003 to the licensed activities. The types of waste accepted at the facility will be: Non-hazardous - Household, Industrial & Commercial and Construction & Demolition waste.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Third Schedule – Waste Disposal Activities

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

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

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 – Waste Recovery Activities

Principal Activity:

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

Other Activities:

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

4: 'Recycling or reclamation of other inorganic materials'.

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'.

A copy of this application for a review of the waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle, Co. Wexford.

James D Cullaghan
Signature

7/02/07
Date

Granary House
Rutland Street
Cork

Tel. [021]4321521
Fax. [021]4321522

environmental management for business

Planning Department,
Wexford County Council,
County Buildings,
Wexford.

7th February 2007

RE: Review of Waste Licence Ref. No. W0111-01

Dear Sir / Madam,

We wish to notify you, on behalf of our client South East Recycling Co. Ltd, of our intention to make an application to the Environmental Protection Agency for the Review of the above referenced Waste Licence for its Materials Recovery Facility at Carrigbawn, Pembrokestown, County Wexford which is located at National Grid References: 3037 E 1195 N.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Third Schedule – Waste Disposal Activities

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

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

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 – Waste Recovery Activities

Principal Activity:

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

Cont'd…

Other Activities:

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

4: 'Recycling or reclamation of other inorganic materials'.

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'.

A copy of the application for a review of the waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle, County Wexford.

Yours sincerely,

Jim O' Callaghan

0604819JOC/PS
c.c. Mr. Micheal Geary, Greenstar Ltd.,
Mr. John Mernagh, Greenstar Ltd.,

2. ARTICLE 12 (1)

The following is provided in compliance with Article 12(1) of the Waste Management (Licensing) Regulations, 2000.

Article 12 (1) (a)

Applicant Details

South East Recycling Co. Ltd.,
South East Recycling Centre,
Carrigbawn,
Pembrokestown,
Co. Wexford.

A Certificate of Incorporation is included in Appendix 1.

This is also the corporate headquarters.

The Directors of the company are: -

Mr. Martin Morrissey

Mr. Michael Murphy

Mr. Geoff Bailey

Secretary: Mr Eamon Bolger

Telephone No: (053) 9142295
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Name and Address for Correspondence

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Greenstar Ltd.,
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Article 12 (1)(b)

The relevant planning authority is Wexford County Council.

Article 12 (1)(c)

The relevant sanitary authority is Wexford County Council. The facility has a Trade Effluent Discharge licence (Reg. No. SS/S047/02) issued by Wexford County Council. A copy of the licence is included in Appendix 2.

Article 12 (1)(d)

The facility is located at Carrigbawn, Pembrokestown, County Wexford. It is in the townland of Carrigbawn at National Grid Reference: 3037 E 1195 N. It is not proposed to change the licensed area of the site. The site and all residences within a 500 m radius are shown on Drawing No. 3.

Article 12 (1)(e)

The facility is a non hazardous waste materials recovery and transfer operation. The facility layout is shown on Drawing No. 1 Rev. A. Wastes are processed and treated on-site to recover materials that are suitable for recycling and to minimise the quantity of treated waste disposed to residual landfill. The facility accepts waste from private waste contractors, local authorities and members of the public through its civic amenity facility. It is not proposed to alter the existing waste processes and site layout. It is intended to use the existing site infrastructure and plant items, which are currently operating below capacity. The facility has adequate capacity to process and store the additional waste volumes.

Article 12 (1)(f)

The relevant activities as per the Third and Fourth Schedules of the Waste Management Acts 1996 - 2003 will be as follows: -

Third Schedule – Waste Disposal Activities

Class 11

"Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule".

Residual Household and Commercial/Industrial wastes are mixed prior to submission to off-site licensed landfills.

Class 12

"Repackaging prior to submission to any activity referred to in the preceding paragraph of this Schedule".

Residual waste at the site is baled and compacted prior to submission to off-site licensed landfill facilities.

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".

Residual wastes are stored prior to submission to off-site licensed landfills.

Fourth Schedule – Waste Recovery Activities

Class 2

"Recycling or reclamation of organic substances which are not used as solvents, (including composting and other biological processes)".

Wood and green waste is shredded, plastics, paper and cardboard are recovered for off site recycling. This is the principal waste activity undertaken at the site.

Class 3

"Recycling or reclamation of metals and metal compounds".

Metals and wire, which are recovered from the incoming waste, and aluminium cans delivered to the site separately, are stored on-site pending removal to off-site recycling facilities.

Class 4

"Recycling or reclamation of other inorganic materials".

Inorganic materials comprising inert construction and demolition waste and glass are recovered from the incoming waste and stored pending removal off-site for recycling.

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".

Wastes are stored prior to submission to off-site permitted/licensed recycling and reclamation facilities.

Article 12 (1)(g)

The amended Table G1 below includes the proposed increases to the total quantity and individual categories of wastes. The relevant European Waste Catalogue (EWC) Codes for the wastes are presented in Section 2 of the Annual Environmental Report for 2005, which is in Appendix 3. It is not proposed to alter the range of EWC codes currently accepted at the facility and described in the AER 2005.

The facility already collects EWC '*20 Municipal Wastes (Household Waste and Similar Commercial, Industrial And Institutional Wastes) Including Separately Collected Fractions'* as part of its services to its commercial and industrial customers. The facility also collects this waste type as part of its wheelie bin service to domestic customers. It is an objective of this review to allow for the collection of domestic wastes in order to regularise this situation.

Given the mixed nature of the waste received and processed at the facility it is not possible to provide accurate predictions of the future quantities of waste broken down into individual EWC codes. However, details of the EWC codes and quantities of the individual wastes will be presented in future AERs. SERC is also seeking to retain the discretion, approved by the current licence, to amend the maximum quantities of the different categories of waste that can be accepted at the facility provided that the total quantity of the waste is not exceeded.

Table G.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) (Note 1)
Household waste	10,000
Commercial	20,000
Construction and Demolition	10,000
Industrial Non-Hazardous	10,000
TOTAL	**50,000**

Note 1: The quantities of the different categories referred to in this table may be amended with the agreement of the Agency provided that the total quantity of waste specified is not exceeded.

Article 12 (1)(h)

Details on the raw and ancillary materials, substances, preparations, fuels and energy that are utilised at the facility are included in Table 12(1)h. It is envisaged that the increase in waste inputs will result in an increase in fuel and energy usage. The actual increases in usage will be reported to the Agency in future Annual Environmental Reports (AERs).

Table 12(1)h: Estimate of Resources Used On-Site 2006

Resources	Quantities
Diesel	24125litres
Hydraulic and Engine Oil	1500litres
Transmission oil	48litres
Gear oil	20litres
Road Diesel	197,245litres
Electricity	65833 units
Antifreeze	105litres

Article 12 (1)(i)

The proposed increases in the waste volumes will not result in any changes to the current plant, methods, processes, abatement and operating procedures employed or envisaged at the facility.

Waste received at the site is unloaded, separated into fractions, which are then compacted and loaded onto trailers for transfer off-site to appropriately licensed facilities.

- Domestic waste is collected from household customers and mixed with commercial collections.
- Commercial and industrial wheelie bins are tipped and segregated into cardboard, timber, metal and plastic fractions.
- Source segregated skips are generally cardboard and are segregated into cardboard recycling.
- Kerbside collections are bulked in trailers and are transported to specialist licensed recycling facilities.
- Industrial plastics from the industrial waste stream are segregated into plastics recycling.
- Bottle banks are tipped in the glass recycling area for transport off-site to Berryman Glass and Stafford Shipping Ltd.
- Aluminium cans are separated and shipped to British Alcan and Molloy Metal Recycling Ltd.
- Construction and Demolition waste is separated and transported to appropriately permitted/licensed facilities for further processing, reclamation or disposal.

The site uses mobile plant - JCBs, front loaders and grab loaders - to move waste as required. Waste is placed in the on-site compactor and the bales transferred to trailers for transport off-site.

The plant used to process the Commercial, Industrial and C&D waste have the capacity to accommodate the proposed increases in waste inputs. The Commercial and Industrial waste stream contains mixed wastes similar to household wastes. The facility has already been accepting household wastes and processing them successfully, as reported in the AER 2005. There will be at a minimum 100% duty and 20% standby capacity of all critical waste handling and processing plant.

Critical Plant and Equipment comprises the following: -

- 1 No. Boa 100 baler with a baling capacity of 35 tonnes per hour.
- 1 No. Waste compactor capable of loading approximately 35 tonnes per hour.

The baler and compactor will be operating at approximately 55% capacity at 50,000 tonnes per annum operating only during the proposed operational hours.

- 1 No. Fork lift with bale grab.
- 1 No. JCB front end loading shovel.
- 1 No. caterpillar 321 LC track machine with grab.

Title of Operational Procedures currently employed at the facility:

Waste Acceptance Procedure – On-site
Waste Acceptance Procedure – Off-site
Unacceptable Waste Acceptance Procedure – Off-site
Unacceptable Waste Acceptance Procedure – On-site
Procedure to Control Waste Wood Quality
Procedure for Reducing Noise from on-site Vehicles
Procedure for dampening down yard area
Sprinkler Usage Report Sheet

Ancillary Processes & Abatement Systems:

Foul Water

Foul water discharges from the recycling yard area to the foul sewer tank. This tank has a capacity of 10 cubic metres. It is fitted with duty / standby pumping systems and a high level liquid alarm and warning light. The proposed amendments to the Waste Licence will not alter the existing foul drainage arrangements.

Surface Water Interceptor

Surface water from the site flows to a three (3) chamber 26 m^3 interceptor tank. The outflow from the interceptor flows south of the site boundary to an open drain. The proposed review will not alter the existing surface water drainage arrangements.

Odour Management

There is an odour control system installed in the waste transfer building. This comprises a spray system, which sprays odour masking agents as required over the area where putresible wastes are handled. Condition 6.1 of the existing licence requires all municipal waste for disposal be removed from the facility within forty-eight hours of its arrival on-site. At Bank Holiday weekends such waste is to be removed from the facility within seventy-two hours of its arrival on-site. No other waste for disposal or waste for recovery is to be stored at the facility for longer than six months. In practice the facility removes all putresible wastes within twenty-four hours of its arrival on-site, except on weekends and on Bank Holidays as the facility is currently not authorised to operate on these days. The putresible waste processing area is cleaned at least once per week.

Weighbridge and Admin Offices

The weighbridge records all vehicle movements into and out of the site. The administration offices are fabricated buildings. The proposed review will alter the existing weighbridge arrangements.

Traffic Management On-Site

Site traffic is controlled by traffic controllers and the use of signage indicating key site traffic rules.

Contingency Arrangements – Equipment / Plant Breakdowns

Plant breakdown is managed by prompt repair and/or replacement. In the event of the site being unable to handle waste as a result of a breakdown, the waste arriving at or already collected at the facility will be re-directed to other licensed transfer stations in the region until the site is fully operational. Suitable plant and equipment can be hired locally within hours. Additional ejection trailers are also readily available locally.

Article 12 (1)(j)

Compliance with Paragraphs (a) to (g) of Section 40 (4) of the Waste Management Acts 1996 2003.

Section 40 (4) (a)

Details of the emissions from the facility as described in Section 12(1)(k). The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment.

Section 40 (4) (b)

The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution.

Section 40 (4) (c)

The site activities and proposed amendments to the current licence conditions are based on best management practice and take into consideration the Draft BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the EPA.

Section 40 (4) (d)

A Copy of the Certificate of Incorporation of South East Recycling Co. Ltd is included in Appendix 1 of this application.

It is not proposed to amend the current management structure at the facility. Facility personnel with responsibility for the management of the waste activities will complete the FAS waste management training course. Details of the levels of training and experience of the current site management are presented in the AER for 2005, which is in Appendix 3 of this application.

SERC were prosecuted in Wexford District Court on 6th December 2004 on charges of sending in excess of 300 tonnes of waste for disposal to Northern Ireland and sending construction and demolition waste to a quarry at Castlebridge, County Wexford.

On the 10th April 2006, SERC pleaded guilty to four charges in Wexford District Court: exceeding the annual waste limit for 2005; accepting municipal waste that was not authorised; transferring waste to an unapproved facility and operating outside the specified operational hours.

SERC is a wholly owned subsidiary of Greenstar Ltd. The relevant section of the profit and loss account for Greenstar for the year ending 2005 is included in Appendix 1 of this application.

Greenstar have financial provisions in place to address any environmental liability including insurance cover to the sum of €6,350,000 for any one occurrence at the SERC facility. There is also a €2,000,000 accrual on the balance sheet for Greenstar Recycling Holdings Ltd. for last year.

Section 40 (4) (f)

Energy will be used efficiently in the carrying on of the activity.

Section 40 (4) (g)

Noise from the activity concerned will comply with and will not result in the contravention of any regulations under Section 106 of the Act of 1992.

Article 12(1)(k)

Particulars of the source location, nature, composition, quantity, level and rate of emissions arising from the activity and the periods during which such emissions are made are presented here.

Actual and potential emissions from facility operations include noise, dust, foul, odour and surface water run-off. The current Waste Licence W0111-01 requires SERC to carry out monitoring to quantify and assess the impacts associated with emissions from the facility. The details of the emissions and an assessment of the affects, based on the monitoring results, are presented below.

Surface Water

The surface water drainage from the paved and roof area flows through an oil interceptor located to the west of the main building, with an outfall into an open drain. The interceptor is maintained, emptied and cleaned in accordance with the current licence conditions. All material removed from these are sent to an off-site treatment facility approved by the Agency (Atlas Environmental Ltd (now trading as ENVA), Co. Laois: EPA Licence No. W184-01). Surface water monitoring is carried out at (4) four locations. SW1, which is also referred to as SW Outfall, is the outfall from the sites surface water drainage system to the open drain to the south of the site. SW2 is down stream of the discharge. SW3 and SW4 are on open ditches within the licence area which are often dry. Monitoring results from June 2005 to September 2006 are summarised in the tables below.

Surface Water – Results for Monitoring Period June 2005

Parameter	Units	24/06/2005 SW Outfall	24/06/2005 SW2
pH	pH units	7.0	6.9
BOD	mg/L	3	5
COD	mg/L	67	124
Chloride	mg/L	51	21
Electrical Conductivity	uS/cm@25^{0}C	801	677
Total Suspended Solids	mg/L	30	18
Oils, fats and grease	mg/L	<5	<5
Ammonia	mg/L as N	2.43	0.27

*Note: SW3 and SW4 were dry when sampling was carried out on 24/06/2005.

Surface Water – Results for Monitoring Period September 2005

Parameter	Units	15/09/2005 SW Outfall	15/09/2005 SW2
pH	pH units	7.6	7.8
BOD	mg/L	16	9
COD	mg/L	210	97
Chloride	mg/L	36	33
Electrical Conductivity	uS/cm@25^{0}C	985	987
Total Suspended Solids	mg/L	125	78
Oils, fats and grease	mg/L	<5	<5
Ammonia	mg/L as N	3.82	3.37

*Note: SW3 and SW4 were dry when sampling was carried out on 24/06/2005.

Surface Water – Results for Monitoring Period December 2005

Parameter	Units	20/12/05 SW1 4970/010/01	20/12/05 SW2 4970/010/02	20/12/05 SW4 4970/010/03
pH	pH units	7.1	7.1	7.0
BOD	mg/L	<1.5	<1.5	<1.5
COD	mg/L	<3	5	<3
Chloride	mg/L	34	34	36
Electrical Conductivity	uS/cm@25^{0}C	442	445	397
Total Suspended Solids	mg/L	12	13	<5
Oils, fats and grease	mg/L	<5	<5	<5
Ammonia	mg/L as N	0.06	0.08	<0.021

*Note: SW3 was dry on 20/12/2005.

Surface Water – Results for Monitoring Period March 2006

Parameter	Units	1/3/06 SW1 (Outfall) 4970/012/01	1/3/06 SW2 4970/012/02	1/3/06 SW3 4970/012/03
pH	pH units	7.5	7.3	7.7
BOD	mg/L	<1.5	<1.5	<1.5
COD	mg/L	<3	<3	<3
Chloride	mg/L	31	33	34
Conductivity	uS/cm@25^{0}C	403	406	400
Total Suspended Solids	mg/L	<5	<5	<5
Oils, fats and grease	mg/L	<5	<5	<5
Ammonia	mg/L as N	0.03	<0.021	<0.021

*Note: SW4 was dry and no sample could be collected at this location for the monitoring period (2006).

Surface Water – Results for Monitoring Period May 2006

Parameter	Units	25/5/06 SW1 4970/014/01	25/5/006 SW2 4970/014/02
pH	pH units	7.1	7.6
BOD	mg/L	3	<1.5
COD	mg/L	38	<3
Chloride	mg/L	36	32
Conductivity	uS/cm@25^{0}C	399	396
Total Suspended Solids	mg/L	<5	8
Oils, fats and grease	mg/L	<1	<1
Ammonia	mg/L as N	<0.021	<0.09

*Note: SW3 and SW4 were dry and no samples could be collected at these locations for the monitoring period (2006).

Surface Water – Results for Monitoring Period September 2006

Parameter	Units	30/9/06 SW1 4970/016/02	30/9/06 SW2 4970/016/02
pH	pH units	7.6	7.4
BOD	mg/L	<1.5	3
COD	mg/L	<3	6
Chloride	mg/L	32	31
Conductivity	uS/cm@25^{0}C	396	394
Total Suspended Solids	mg/L	8	9
Oils, fats and grease	mg/L	<1	<1
Ammonia	mg/L as N	<0.09	<0.09

*Note: SW3 and SW4 were dry and no samples could be collected at these locations for the monitoring period (2006).

Surface Water – Results for Monitoring Period December 2006

Parameter	Units	19/12/06 SW1	19/12/06 SW2
pH	pH units	7.0	7.4
BOD	mg/L	<1.5	<1.5
COD	mg/L	21	10
Chloride	mg/L	31	34
Conductivity	uS/cm@25^{0}C	456	480
Total Suspended Solids	mg/L	4	7
Oils, fats and grease	mg/L	<1	<1
Ammonia	mg/L as N	<0.09	0.20

*Note: SW3 and SW4 were dry and no samples could be collected at these locations for the monitoring period (2006).

The results indicate generally good quality surface water discharges to the open drain. There were elevated ammonia and COD levels at SW Outfall and SW2 in June and September 2005 and this was attributed to run-off from trailers, which were inadvertently parked overnight on a paved area. The results since then indicate that the facility is not having a negative impact on the drain.

It is not envisaged that the proposed increase in waste volumes will alter the existing quality or volume of the discharge to the drain. It is not proposed to increase roofed or paved areas and it is not proposed to alter existing waste handling activities.

Foul

Sanitary and process wastewater from the offices and compactor area connects to a sump pump at the rear of the main building from where it is pumped to the Council sewer on the White Rock Road. The discharge to sewer is regulated by a trade effluent licence issued by Wexford County Council in 2005. No new wastewater sources will be generated by the proposed amendments to the licence. Drawing No. 4 shows the foul water drainage layout of the facility.

Groundwater

Groundwater monitoring is carried out at two on-site monitoring wells (BH 3 downgradient and BH 4 upgradient) twice per annum. The locations are shown on Drawing No. 2. BH3 is on the south-western boundary of the site and BH4 is at the eastern boundary of the site. BH 3 was dry during 2005 and was subsequently damaged in 2006. The well was replaced in Q2 2006, but has not yet been sampled. Monitoring was carried out at BH4 in March 2005, September 2005 and February 2006. An attempt was made to collect samples from BH4 in August 2006 but the well was dry. The monitoring results for BH4 are presented in the Table below.

Table 2.1 - Groundwater Quality
BH4

Parameter			
	05/03/2005	**15/09/2005**	**23/02/2006**
pH	7.0	7.2	6.6
Electrical conductivity EC	1616	1171	1360
Ammoniacal nitrogen NH_4-N	0.00	0.47	0.04
BOD	<1.5	NR	NR
Water level (m OD)	NR	NR	NR

NR – Not Recorded or not analysed

There are no direct or indirect emissions to ground from the facility. Process and sanitary wastewater goes to the municipal foul sewer which is regulated by Wexford County Council and run-off from paved and roofed areas goes to surface water. A slightly elevated ammoniacal nitrogen level was recorded in September 2005, but this is most likely due to agricultural sources. The proposed amendment of the waste licence will not result in any new emissions to ground.

Dust

Dust monitoring is carried out at five locations three (3) times per annum. All of the monitoring locations are within the sites boundary. The locations are shown on Drawing No. 2. D1 and D5 are located approximately 40 m apart on the site's south eastern boundary. They have been placed on a landscaped mound and are adjacent a line of trees, which mark the site's south eastern boundary. Both are approximately 50 m from the nearest sensitive receptor, which is a residence located on White Rock Road. D6 is located at the entrance to the facility on White Rock Road. D3 and D4 are located internally within the site boundary (45 m and 90 m respectively from the site boundary) and it is unclear what these locations are intended to represent.

The monitoring results for 2005 and 2006 are presented in the tables below.

Dust Monitoring Results for 2006

	Dust Emission Limit ($mg/m^3/day$)	**Dust Emission ($mg/m^2/day$)**	**Dust Emission ($mg/m^2/day$)**	**Dust Emission ($mg/m^2/day$)**	**Dust Emission ($mg/m^2/day$)**
Sample Location		Sample Period 02/3/06- 31/3/06	Sample Period 26/5/06 – 24/6/06	Sample Period 29/8/06 – 28/9/06	Sample Period 16/11/06 – 03/01/07
D1	350	180.0	**-***	**646.7**	330
D3	350	175.6	68.1	146.1	230
D4	350	92.0	46.1	**1808.4**	300
D5	350	99.4	58.8	**756.2**	304
D6	350	227.2	109.2	**752.5**	**678**

* Contaminated with bird droppings

The most recent dust monitoring in November - December 2006 shows one exceedence of the dust deposition limit at location D6. D6 is located on White Rock road which means that it is affected by off-site sources such as traffic on the road not associated with the SERC facility and a construction site directly across the road from this location.

August - September 2006 shows elevated deposition levels in four of the five gauges. The monitoring report states however that gauges D1, D5 and D4 were affected by an algal growth, possibly due to the dilution of the inhibitor due to excessive rainfall. The level at D6 was elevated however given its location on White Rock road means that it is affected by off-site sources mentioned above.

There were no exceedences of the ELV in May-June 2006. Location D1 was found to have been contaminated with bird droppings.

Dust Monitoring Results for 2005

	Dust Emission Limit ($mg/m^2/day$)	Dust Emission ($mg/m^2/day$)	Dust Emission ($mg/m^2/day$)	Dust Emission ($mg/m^2/day$)	Dust Emission ($mg/m^2/day$)
Sample Location		Sample Period 06/05/05-07/06/06	Sample Period 01/9/05 – 30/9/05	Sample Period 30/09/05– 4/11/05	Sample Period 21/2/05 – 23/3/05
D1	350	91.1	180.1	28.8	94.6
D3	350	25.2	**737.5**	95.6	-*
D4	350	62.8	**511.3**	72.3	48.4
D5	350	54.4	165.8	(Broken sample)	-*
D6	350	52.2	**1062.1**	296.1	**570.2**

There were no exceedences of the ELV in May - June 2005 or September - October 2005. There were exceedences recorded in September 2005 at D3, D4 and D6. There is no interpretation of these results, but it is considered likely that these gauges may have been contaminated given the very low levels recorded during the two other events and the results from 2006. Locations D3 and D5 were contaminated by bird droppings in February - March 2005. The only elevated level was at D6 in February - March, but again the impact from the traffic on White Rock Road would most likely have contributed significantly to this measurement.

It is not envisaged that there will be any new sources of dust associated with the proposed amendments to the waste licence.

Odours

Odour emissions are associated with the handling, sorting and transfer of both household and commercial waste due to its organic content. Emissions from handling and storage of dry recyclable material (i.e. plastics, glass, metals) and C&D waste are negligible. The current materials recovery and transfer operations which include the acceptance of waste with an organic content, are not a significant source of odour nuisance.

Odour abatement at the facility includes a spray system that delivers a masking agent in the waste processing building. Condition 6.1 of the existing licence requires all municipal waste for disposal to be removed from the facility within forty-eight hours of its arrival on-site. At Bank Holiday weekends such waste is to be removed from the facility within seventy-two hours of its arrival on-site. No other waste for disposal or waste for recovery is to be stored at the facility for longer than six months. In practice the facility removes all putresible wastes within twenty-four hours of its arrival on-site except on weekends and on Bank Holidays as the facility is not authorised to operate. This means that the majority (>80%) of putresible waste is removed on the same day it is received.

It is proposed to accept approximately 30,000 tonnes of Commercial and Household waste per annum. This will mainly comprise skip waste from commercial customers (15,000 tonnes), wheelie bins from commercial customers (5,000 tonnes) and wheelie bins from domestic clients (10,000 tonnes). Based on SERC's experience approximately 5% of the commercial skips will contain organic content (750 tonnes), 20% of the commercial wheelie bins (1,000 tonnes) and 35% of the domestic wheelie bins (3,500 tonnes). This equates to a total of 5,250 tonnes of organic waste per annum, the majority of which will be removed on the same day it arrives at the facility.

An assessment of the impacts and proposed assessment and control measures are described in Section 12 (1) I.

Noise

On-site sources of noise include the following: -

- Vehicle movements into and out of the facility,
- Trailer and skip lorries unloading,
- Glass unloading,
- Balers.

Noise monitoring is required to be undertaken at seven monitoring locations twice per annum. Five of the locations are within the site boundary and two are noise sensitive locations. Drawing No. 2 shows the location of noise monitoring locations and noise sensitive locations within 500 m of the site boundary. The results of the monitoring carried out in 2005 and 2006 are presented in the Tables below. The Tables also include the emission limit value specified in the licence.

Noise Monitoring – Daytime Results for February and August 2006

Monitoring Point	Location	Date / Time	L(A)eq	Date / Time	L(A)eq	L(A)eq ELV
N1	Staff Car Park	21/02/2006	53	29/08/2006	53	55
N2	Skip Storage Area	21/02/2006	52	29/08/2006	**60**	55
N7	Noise Sensitive Location	21/02/2006	**57**	29/08/2006	63	55
N8	Mernagh NSL	21/02/2006	50	29/08/2006	53	55
N13	Eastern Site Boundary	21/02/2006	53	29/08/2006	51	55
N14	Skip Storage Area	21/02/2006	**58**	29/08/2006	52	55
N15	Southern Site Boundary	21/02/2006	**56**	29/08/2006	50	55

Daytime noise measurements over 30 minute monitoring period.

The 2006 monitoring indicates that the site is generally compliant with the ELV. Both Noise Sensitive locations were not impacted by site activities. The marginally elevated measurement (57 L(A)eq) at N7 in February was attributed to noise from traffic movements on the White Rock Road (36 cars, 3 HGVs and 1 van). Noise from on-site activities were recorded, but they were not the dominant noise source. The elevated level in August (60 L(A)eq) was attributed to emissions from the construction of a housing estate site on the White Rock Road. Fifty two cars and nine HGVs passed the meter during the monitoring period and two excavators were noted in operation on the construction site. There was no exceddences of the ELV at the other NSL, N8 during 2006.

Marginal exceedances of the ELV occurred at locations N14 and N15 in February and N2 in August. N14 and N2 are located beside one another, just 13 m apart, within the site boundary close to the waste transfer building and skip storage area. N15 is located approximately 40 m further south of N2. It is to be expected to record noise levels above 55 L(A)eq at these locations as they are beside facility operations and within the sites boundary and do not necessarily mean there is a noise nuisance at off-site sensitive receptors.

Noise Monitoring – Daytime Results for March and August 2005

Monitoring Point	Location	Date / Time	L(A)eq	Date / Time	L(A)eq	L(A)eq ELV
N1	Staff Car Park	02/03/05	55	17/08/05	50	55
N2	Skip Storage Area	02/03/05	**56**	17/08/05	**61**	55
N7	Noise Sensitive Location	02/03/05	50	17/08/05	**64**	55
N8	Mernagh NSL	02/03/05	50	17/08/05	**65**	55
N13	Eastern Site Boundary	02/03/05	51	17/08/05	50	55
N14	Skip Storage Area	02/03/05	**56**	17/08/05	52	55
N15	Southern Site Boundary	02/03/05	51	17/08/05	48	55

Daytime noise measurements over 30 minute monitoring period.

The 2005 results indicate that the site was generally compliant with the ELV. There were no exceedances of the ELVs at either of the noise sensitive monitoring locations in March. The elevated level at N7 in August was attributed to traffic movements along the White Rock Road. Thirty nine cars and four HGVs passed along the roadway which impacted significantly on the measurement. The dominant noise source at N8 in August was associated with facility operations, especially vehicles entering and leaving the facility and trailers and skips banging on the back of trucks. It is not envisaged that the proposed increase in waste tonnages will create any new noise sources.

Article 12 (1)(l)

An assessment of the effects of emissions from the facility resulting from the proposed amendments to the current Waste Licence and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions, is presented here. Existing control of environmental emissions at the facility are BAT and are described in detail in the Environmental Management Plan 2006 for the facility which is included in Appendix 3.

Surface Water

It is not envisaged that there will be any new sources of surface water emissions from the facility due to the proposed amendments to the waste licence.

Foul Sewer

It is not envisaged that there will be any new sources of foul water emissions from the facility due to proposed amendments to the waste licence.

Groundwater

There are no direct or indirect emissions to ground from the facility. The proposed amendments to the waste licence will not change this.

Dust

It is not proposed to change the existing site activities or plant items therefore there will be no new sources of dust. There is the potential for increased dust emissions due to increased vehicle movements and waste processing. Dust emissions have not traditionally been an issue at the facility and no complaints have been received in relation to dust. Abatement measures to control dust include a sprinkler system to dampen down wastes on portions of the transfer building, regular yard and road sweeping, damping down in dry weather conditions and internal processing of wastes.

Odours

There is the potential for odours from the acceptance and handling of putresible wastes. Existing odour control measures include a sprinkler system which sprays a masking agent in the waste processing building, the quick processing and removal of putresible wastes off-site and floor cleaning of areas used to handle putresible wastes. It is also proposed to carry out weekly monitoring of the facility perimeter and sensitive locations to assess the impact of odour nuisance. These measures will form part of the EMS for the facility.

Noise

It is not proposed to change the existing site activities or plant items. There will be no new additional noise sources.

Article 12 (1)(m)

The proposed amendment to the licence conditions will not alter the existing monitoring programme at the facility. It is requested that emission limits for noise be set for the two noise monitoring locations which assess noise impacts at noise sensitive locations.

Article 12 (1)(n)

Waste oils generated during plant and vehicle maintenance are collected and sent off-site for recycling.

Article 12 (1)(o)

The waste activities will not result in any changes to the types or method of off-site treatment or disposal of solid and liquid wastes including process and sanitary wastewater. The off-site treatment or disposal of all wastes are regulated by Condition 5.12 of the current licence.

Article 12 (1)(p)

The existing measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment are described here.

SERC has prepared an Emergency Response Procedures for the facility in compliance with Condition 10.1 of the current licence.

Article 12 (1)(q)

The proposed amendments to the current licence will not impact on the measures for the closure, remediation and aftercare of the facility as regulated by Condition 8 of the current licence.

Article 12 (1)(r)

Not applicable as the activity is not a landfill.

Article 12 (1)(s)

The activity is not an activity to which the European Communities (Major Accident Hazards of Certain Activities) Regulations, 2006 (S.I. No. 174 of 2006) apply.

Article 12 (1)(t)

The activity is not one that gives rise or could give rise to an emission into an aquifer containing List 1 and II substances specified in the Annex to the Council Directive 80/68/EEC of 17 December 1979.

Article 12(l)(u)

A non-technical summary of the information provided in accordance with Paragraphs (a) to (t) of Article 12 (1) is in Section 6 of this application.

3. ARTICLE 12 (3)(a)

The relevant conditions of the current licence that are the subject of the review and grounds for the application are, as required by Article 12 (3) (a) of the 2004 Regulations, as follows: -

Condition 1.1

Condition 1.1 restricts the type of activity to those listed and described in Part I: Activities Licensed. It is intended to amend the licensed activities to include Class 12 of the Third Schedule – Waste Disposal Activities of the Waste Management Acts 1996 to 2003. This is *'Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule'.*

Waste at the site is baled and compacted prior to submission to off-site licensed landfill facilities. This activity should have been included for in the original application.

Condition 5.2.1

Condition 5.2.1 stipulates that only those waste categories and quantities listed in *Schedule G: Waste Acceptance* of the licence shall be accepted at the facility. Schedule G sets a maximum overall limit of 13,500 tonnes of waste, with individual limits set for Recyclables (1,500 tonnes): Commercial Waste (5,000 tonnes): Construction and Demolition Waste (3,500 tonnes) and Industrial Non-Hazardous Waste (3,500 tonnes).

SERC's business development programme has resulted in an expansion in the volume of waste collected in the facility's catchment area and has identified further opportunities to significantly increase the volumes of waste material that can be accepted at the facility for treatment and recycling. The facility is currently handling approximately 39,000 tonnes per annum and the aim of the review is to regularise this situation and allow for further growth. SERC predicts a growth of 45% in the volumes of waste over the next two to three years and wishes to be in a position to meet this demand.

To allow SERC to develop this market opportunity, SERC is seeking to increase the total limit set for all wastes accepted at the facility and the limits set for the individual categories.

SERC is also seeking to retain the right, subject to the prior agreement of the Agency, to amend the quantities of the different categories of waste accepted at the facility provided that the total quantity of 50,000 tonnes is not exceeded. The revised limits are presented in the amended Table G.1.

It is also proposed to amend the licence to include the acceptance of Household wastes. SERC has already commenced providing this service through its domestic wheelie bin collection. It is considered that, as the waste is similar to commercial waste already handled at the facility, there are no sound environmental reasons for prohibiting the acceptance of Household waste.

Table G.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) (Note 1)
Household waste	10,000
Commercial	20,000
Construction and Demolition	10,000
Industrial Non-Hazardous	10,000
TOTAL	**50,000**

Note 1: The quantities of the different categories referred to in this table may be amended with the agreement of the Agency provided that the total quantity of waste specified is not exceeded.

Condition 5.9

Condition 5.9 restricts the hours of waste acceptance to 8:00am - 5.30pm Monday to Friday and 8.00a.m. - 1.00p.m. on Saturdays. The 'working day' in the glossary of the licence is described as the hours in Condition 5.9 with an additional hour after waste acceptance.

It is proposed to extend the hours of waste acceptance and operation to 7.30am - 7.00pm Monday to Friday and 7.30am - 2.30pm Saturday. It also proposed to accept waste and operate from 7.30am - 5.00 pm on the six Saturdays following Bank Holiday weekends.

Commercial customers are increasingly requesting early morning/late evening collection of wastes to avoid business disruptions. Traffic restrictions in urban areas also require early morning/late evening collections. Therefore SERC is seeking to amend Condition 5.9 to allow for the hours of operation/acceptance to be amended and for the Condition to include for its further amendment subject to the Agreement of the Agency.

4. ARTICLE 12 (4)

Article 12 (4)(a)

A copy of the relevant page of the newspaper in which the notice in accordance with Article 6 has been published is included in Section 1 of this application.

Article 12 (4)(b)

A copy of the text of the notice erected in accordance with Article 7 is included in Section 1 of this application.

Article 12(4)(c)

A copy of the notice given to the planning authority is included in Section 1 of this application.

Article 12(4)(d)

The position of the notice in accordance with Article 7 is show on Drawing No. 1 Rev A. Drawings showing the points at which monitoring and sampling are undertaken are shown on Drawing No. 1 Rev. A.

Article 12(4)(e)

The fee for the review of the waste licence, €10,000, as specified in Article 41(3) and the Second Schedule of the Waste Management (Licensing) Regulations 2004, is enclosed. The fee includes for: -

Second Schedule Fees - Part 1 3.2 The disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is likely to exceed 25,000 tonnes but be less than 100,000 tonnes - column 3 €10,000.

5. ARTICLE 13 (1)

An EIS is not required for this review application.

6. NON TECHNICAL SUMMARY

Introduction

South East Recycling Co. Ltd (SERC), Carrigbawn, Pembrokestown, County Wexford is applying to the Environmental Protection Agency (Agency) for a review of the Waste Licence for its Materials Recovery and Transfer Station at Pembrokestown, Co. Wexford (W0111-01).

The objectives of the review are: -

- To increase the overall limit on annual waste inputs from the 13,500 tonnes specified in Schedule A of the licence to 50,000 tonnes per annum.
- To amend the waste types specified in Schedule G of the licence to include non-hazardous Household Wastes.
- To amend the existing hours of operation (8.00am - 6.30pm Monday to Friday and 8.00am - 2.00pm Saturday) and waste acceptance (8:00am - 5.30pm Monday to Friday and 8.00a.m. - 1.00p.m. on Saturdays) to 7.30am - 7.00pm Monday to Friday and 7.30am - 2.30pm Saturday. It also proposed to accept waste and operate from 7.30am - 5.00pm on the six Saturdays following Bank Holiday weekends.
- To amend the licensed activities to include Class 12 of the Third Schedule – Waste Disposal Activities of the Waste Management Acts 1996 to 2003.

Nature of the Facility

The facility is non hazardous waste materials recovery and the transfer operation. Waste materials are processed and treated on-site to recover wastes that are suitable for recovery and to minimise the quantity of treated waste disposed to residual landfill.

Classes of Activity

The relevant activities as per the Third and Fourth Schedules of the Waste Management Acts 1996 – 2003 will be as follows: -

Third Schedule – Waste Disposal Activities

Class 11

"Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule".

Residual Household and Commercial/Industrial wastes are mixed prior to submission to off-site licensed landfills.

Class 12

"Repackaging prior to submission to any activity referred to in the preceding paragraph of this Schedule".

Residual waste at the site is baled and compacted prior to submission to off-site licensed landfill facilities.

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".

Residual wastes are stored prior to submission to off-site licensed landfills.

Fourth Schedule – Waste Recovery Activities

Class 2

"Recycling or reclamation of organic substances which are not used as solvents, (including composting and other biological processes)".

Wood and green waste is shredded, plastics, paper and cardboard are recovered for off site recycling. This is the principal waste activity undertaken at the site.

Class 3

"Recycling or reclamation of metals and metal compounds".

Metals and wire, which are recovered from the incoming waste, and aluminium cans delivered to the site separately, are stored on-site pending removal to off-site recycling facilities.

Class 4

"Recycling or reclamation of other inorganic materials".

Inorganic materials comprising inert construction and demolition waste and glass are recovered from the incoming waste and stored pending removal off-site for recycling.

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".

Wastes are stored prior to submission to off-site permitted/licensed recycling and reclamation facilities.

Quantity and Nature of the Waste to be Recovered or Disposed

The quantity and nature of the wastes are presented in Table 1.

Table 1: Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) (Note 1)
Household waste	10,000
Commercial	20,000
Construction and Demolition	10,000
Industrial Non-Hazardous	10,000
TOTAL	**50,000**

Note 1: The quantities of the different categories referred to in this table may be amended with the agreement of the Agency provided that the total quantity of waste specified is not exceeded.

Raw and Ancillary Materials, Substances, Preparations used on the Site

Details on the raw and ancillary materials, substances, preparations, fuels and energy that were utilised at the facility in 2006 are presented in Table 2.

Table 2: Estimate of Resources Used On-Site 2006

Resources	Quantities
Diesel	24125litres
Hydraulic and Engine Oil	1500litres
Transmission oil	48litres
Gear oil	20litres
Road Diesel	197,245litres
Electricity	65833 units
Antifreeze	105litres

Plant, Methods, Processes and Operating Procedures

The proposed increases in the waste volumes and type accepted for processing will not result in any changes to the current plant, methods, processes and operating procedures that are currently employed or envisaged under the current licence conditions.

Information Related to Section 40(4) (a) to (d) of the Waste Management Act, 1996 to 2003

The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment.

The site activities are based on best management practice and take into consideration the Draft BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the EPA. The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution.

It is not proposed to amend the current management structure at the facility. Facility personnel with responsibility for the management of the waste activities will complete the FAS waste management training course. Details of the levels of training and experience of the current site management are presented in the AER for 2005, which is in Appendix 3 of this application.

SERC were prosecuted in Wexford District Court on 6th December 2004 on charges of sending in excess of 300 tonnes of waste for disposal to Northern Ireland and sending construction and demolition waste to a quarry at Castlebridge, County Wexford.

On the 10th April 2006, SERC pleaded guilty to four charges in Wexford District Court: exceeding the annual waste limit for 2005; accepting municipal waste that was not authorised; transferring waste to an unapproved facility and operating outside the specified operational hours.

SERC is a wholly owned subsidiary of Greenstar Ltd. The relevant section of the profit and loss account for Greenstar for the year ending 2004 and 2005 is included in Appendix 1 of this application.

Greenstar have financial provisions in place to address any environmental liability including insurance cover to the sum of €6,350,000 for any one occurrence.

Source, Location Nature, Composition, Quantity, Level and Rate of Emissions

Surface Water

The surface water drainage from the paved and roof area flows through an oil interceptor located to the west of the main building, with an outfall into an open drain. The interceptor is maintained, emptied and cleaned in accordance with the current licence conditions. All material removed from these are sent to an off-site treatment facility approved by the Agency.

The surface water monitoring results 2005 and 2006 indicate generally good quality surface water discharges to the open drain. There were elevated ammonia and COD levels at SW Outfall and SW2 in June and September 2005 and this was attributed to run-off from trailers, which were inadvertently parked overnight on a paved area. The results since then indicate that the facility is not having a negative impact on the drain.

Foul

Sanitary and process wastewater from the offices and compactor area connects to a sump pump at the rear of the main building from where it is pumped to the Council sewer on the White Rock Road. The discharge to sewer is regulated by a trade effluent licence issued by Wexford County Council in 2005.

Groundwater

There are no direct or indirect emissions to ground from the facility. Groundwater monitoring is however carried out at two on-site monitoring wells (BH3 downgradient and BH4 upgradient) twice per annum. BH3 is on the south-western boundary of the site and BH4 is at the eastern boundary of the site. BH 3 was dry during 2005 and was subsequently damaged in 2006. The well was replaced in Q2 2006, but has not yet been sampled. Monitoring was carried out at BH4 in March 2005, September 2005 and February 2006. The proposed amendment of the waste licence will not result in any new emissions to ground.

Dust

Dust monitoring is carried out at five locations three (3) times per annum. The most recent dust monitoring in August - September 2006 shows elevated deposition levels in four of the five gauges. The monitoring report states however that gauges D1, D5 and D4 were affected by an algal growth, possibly due to the dilution of the inhibitor due to excessive rainfall. The level at D6 was elevated however given its location on White Rock Road means that it is affected by off-site sources such as traffic on the road not associated with the SERC facility and a construction site directly across the road from this location.

There were no exceedences of the ELV in May - June 2006. Location D1 was found to have been contaminated with bird droppings. Locations D3 and D5 were also contaminated by bird droppings in February - March 2006. The only elevated level was at D6 in February - March, but again the impact from the traffic on White Rock Road would most likely have contributed significantly to this measurement.

Odours

Odour emissions are associated with the handling, sorting and transfer of both household and commercial waste due to its organic content. Emissions from handling and storage of dry recyclable material (i.e. plastics, glass, metals) and C&D waste are negligible. The current materials recovery and transfer operations which include the acceptance of waste with an organic content, are not a significant source of odour nuisance.

It is proposed to accept approximately 30,000 tonnes of Commercial and Household waste per annum. This will mainly comprise skip waste from commercial customers (15,000 tonnes), wheelie bins from commercial customers (5,000 tonnes) and wheelie bins from domestic clients (10,000 tonnes).

Based on SERC's experience approximately 5% of the commercial skips will contain organic content (750 tonnes), 20% of the commercial wheelie bins (1,000 tonnes) and 35% of the domestic wheelie bins (3,500 tonnes). This equates to a total of 5,250 tonnes of organic waste per annum, the majority of which will be removed on the same day it arrives at the facility.

Noise

Noise monitoring is required to be undertaken at seven monitoring locations twice per annum. The 2006 monitoring indicates that the site is generally compliant with the ELV. Both Noise Sensitive locations were not impacted by site activities. The marginally elevated measurement (57 L(A)eq) at N7 in February was attributed to noise from traffic movements on the White Rock Road (36 cars, 3 HGVs and 1 van). Noise from on-site activities were recorded, but they were not the dominant noise source. The elevated level in August (60 L(A)eq) was attributed to emissions from the construction of a housing estate site on the White Rock Road. Fifty two cars and nine HGVs passed the meter during the monitoring period and two excavators were noted in operation on the construction site. There was no exceddences of the ELV at the other NSL, N8 during 2006. The 2005 results indicate that the site was generally compliant with the ELV.

Assessment of the Effects of Emissions on the Environment

Surface Water

It is not envisaged that there will be any new sources of surface water emissions from the facility due to the proposed amendments to the waste licence.

Foul Sewer

It is not envisaged that there will be any new sources of foul water emissions from the facility due to proposed amendments to the waste licence.

Groundwater

There are no direct or indirect emissions to ground from the facility. The proposed amendments to the waste licence will not change this.

Dust

It is not proposed to change the existing site activities or plant items therefore there will be no new sources of dust. There is the potential for increased dust emissions due to increased vehicle movements and waste processing. Dust emissions have not traditionally been an issue at the facility and no complaints have been received in relation to dust. Abatement measures to control dust include a sprinkler system to dampen down wastes on portions of the transfer building, regular yard and road sweeping, damping down in dry weather conditions and internal processing of wastes.

Odours

There is the potential for odours from the acceptance and handling of putresible wastes. Existing odour control measures include a sprinkler system which sprays a masking agent in the waste processing building, the quick processing and removal of putresible wastes off-site and floor cleaning of areas used to handle putresible wastes.

It is also proposed to carry out weekly monitoring of the facility perimeter and sensitive locations to assess the impact of odour nuisance. These measures will form part of the EMS for the facility.

Noise

It is not proposed to change the existing site activities or plant items. There will be no new additional noise sources.

Monitoring and Sampling Points

The proposed amendments to the current licence conditions will not result in any change to either the location of any monitoring or sampling points or the current monitoring programme.

Prevention and Recovery of Waste

Waste oils generated during plant and vehicle maintenance will be collected and sent off-site for recycling.

Off-site Treatment or Disposal of Solid or Liquid Wastes

The waste activities will not result in any changes to the types or method of treatment or disposal of solid and liquid wastes.

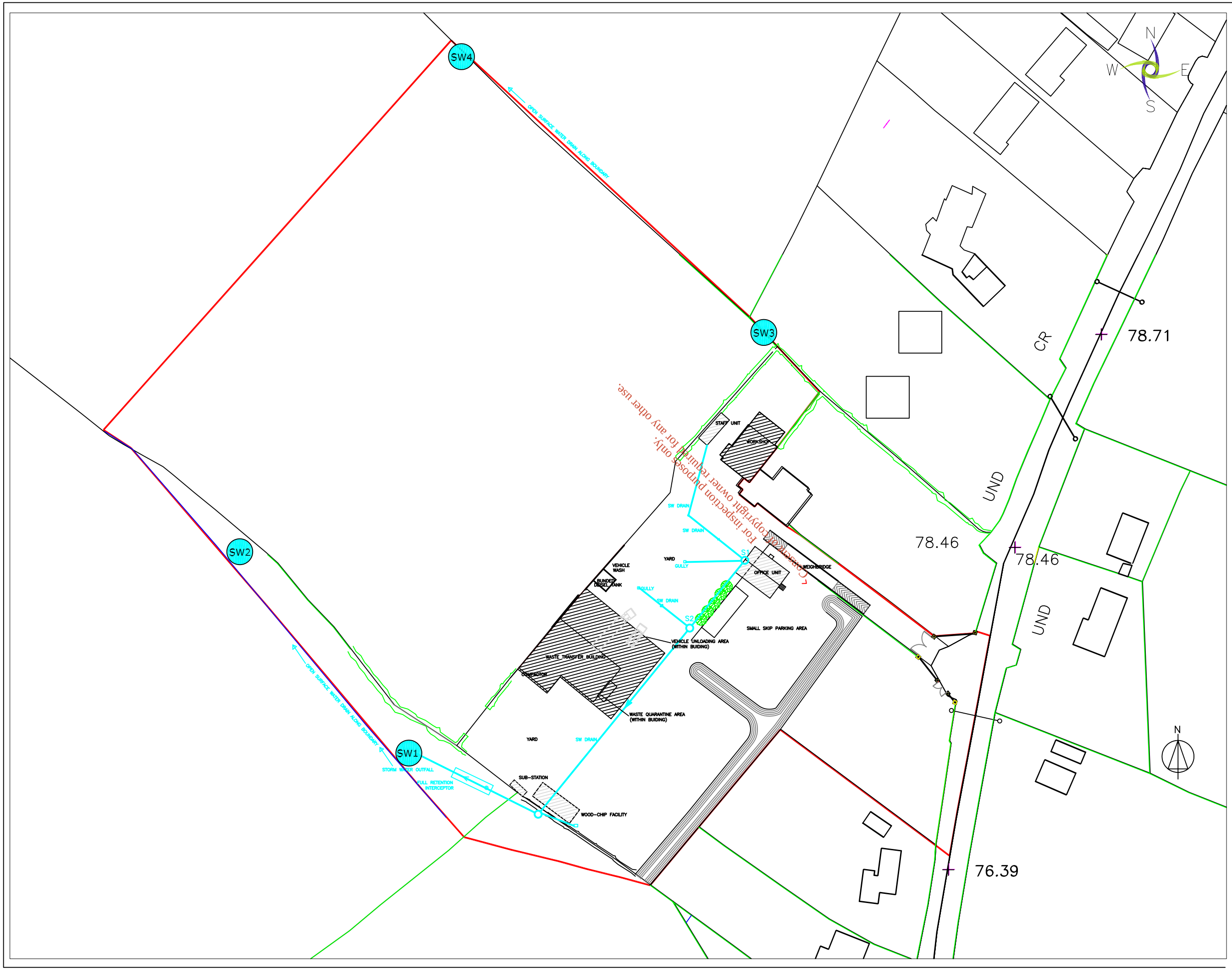
Emergency Procedures to Prevent Unexpected Emissions

SERC has developed and adopted Emergency Response Procedures (ERP) to address emergencies and incidents that result in unexpected emissions, as required by the current Waste Licence.

Closure, Restoration and Aftercare of the Site

The proposed amendments to the current licence will not impact on the agreed measures for the closure, remediation and aftercare of the facility.

DRAWINGS



LEGEND

- SITE BOUNDARY
- SW1 SURFACE WATER MONITORING POINT
- STORM WATER DRAINAGE SYSTEM

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd.
A	14-12-06	Revised site boundary, storm-water system & monitoring points introduced	PM	GF

Client: South East Recyling Company Ltd.

Project: Waste Licence Review

Title: Site Layout, Storm Water Drainage & Monitoring Points

Scale: 1:1,000@A3(1:2,000@A4)

Prepared by:	Checked:	Date:
P.M.	G.F.	06-12-06

Project Director: G.FITZPATRICK

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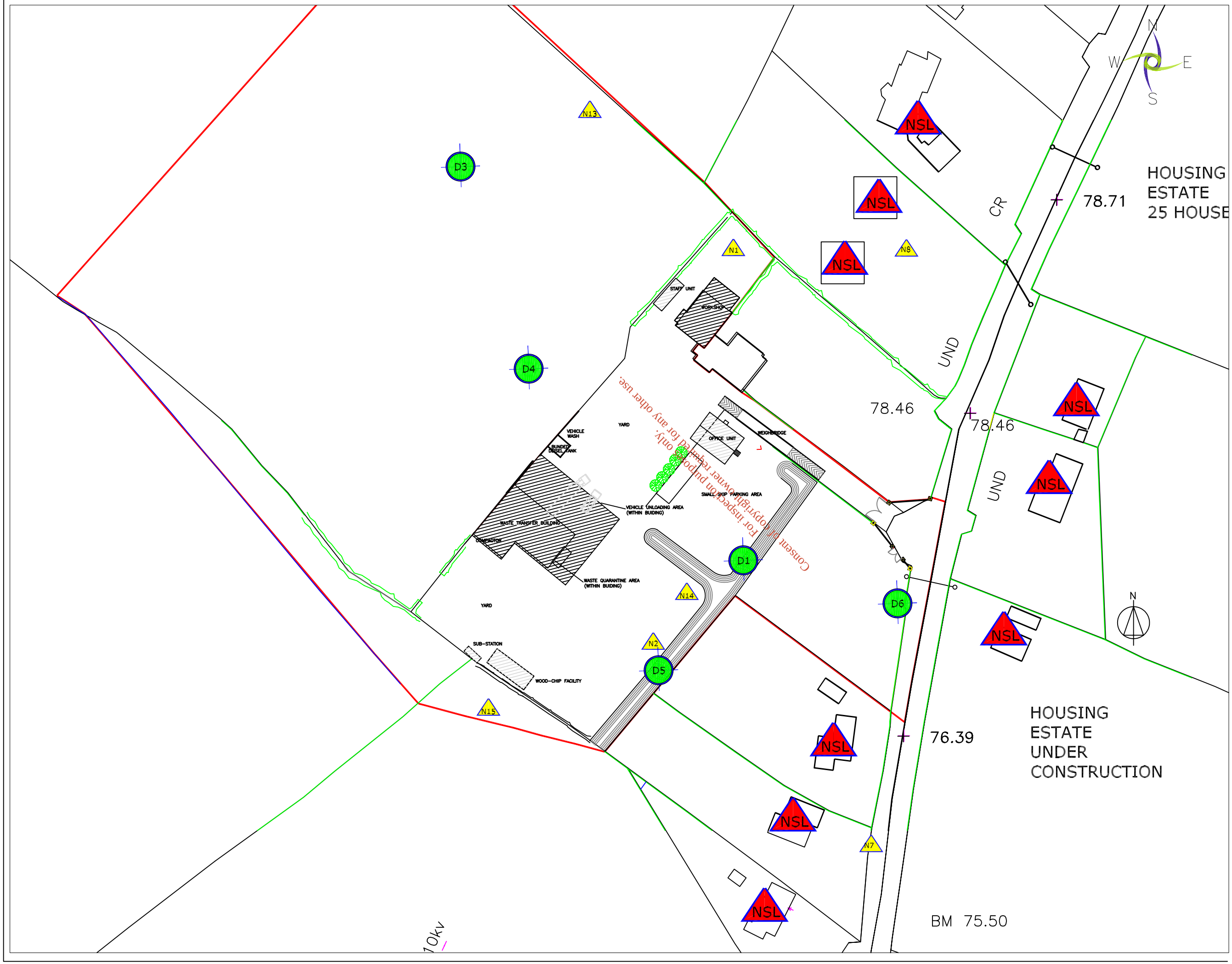
Drawing No.: Drawing 1

Issue: A



LEGEND

- SITE BOUNDARY
- D1 — DUST MONITORING POINT
- N1 — NOISE MONITORING POINT
- NSL — NOISE SENSITIVE LOCATION

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd.

Client: South East Recyling Company Ltd.

Project: Waste Licence Review

Title: Dust & Noise Monitoring Points

Scale: 1:1,000@A3(1:2,000@A4)

Prepared by:	Checked:	Date:
P.M.	G.F.	06-12-06

Project Director: G.FITZPATRICK

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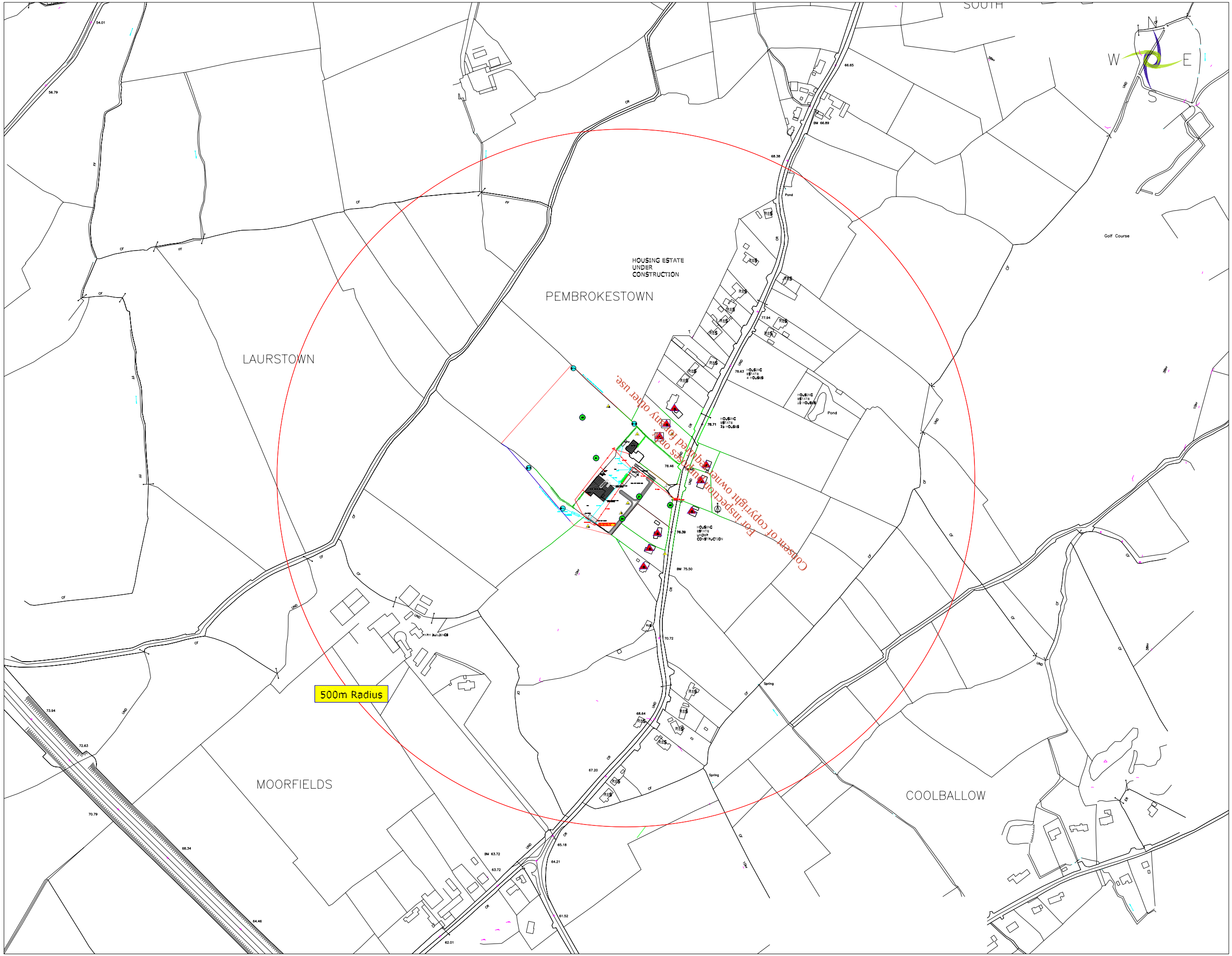
Drawing No.: Drawing 2

Issue: 0



LEGEND

- SITE BOUNDARY
- NSL — NOISE SENSITIVE LOCATION
- RES — RESIDENCE

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd

Client:
South East Recyling Company Ltd.

Project:
Application

Title:
Existing Site Layout showing surrounding residences

Scale:
1:5,000@A3(1:10,000@A4)

Prepared by:	Checked:	Date:
P.M.	G.F.	06-12-06

Project Director: G.FITZPATRICK

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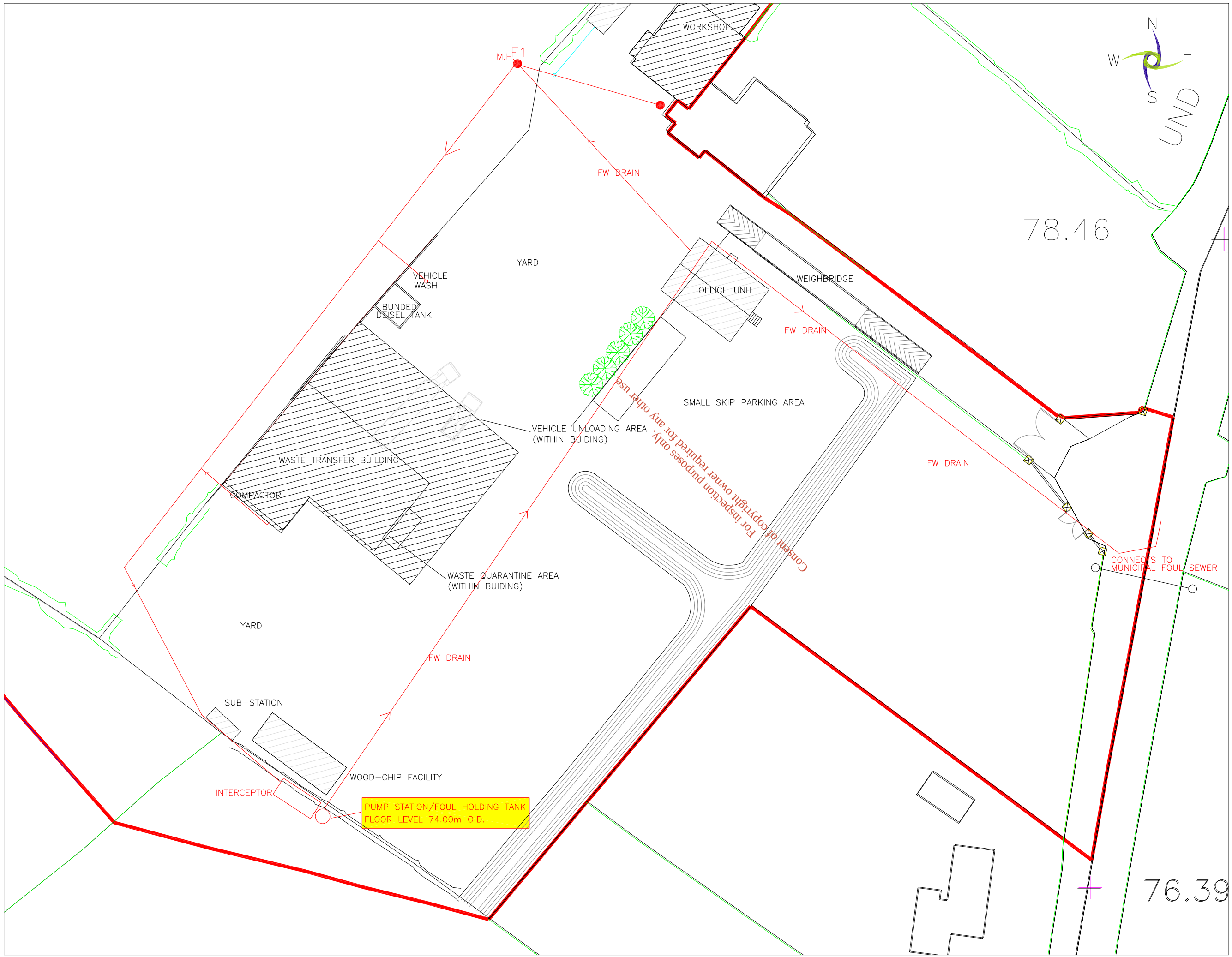
Drawing No.: Drawing 3

Issue: 0



LEGEND

- SITE BOUNDARY
- FW-1 — FOULWATER MONITORING POINT
- FOULWATER DRAINAGE SYSTEM

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd
A	14-12-06	Revised site boundary, foulwater system & monitoring points introduced	PM	GF

Client: South East Recyling Company Ltd.

Project: Waste Licence Review

Title: Foulwater Drainage System & Monitoring Point

Scale: 1:500@A3(1:1,000@

Prepared by: P.M. | Checked: G.F. | Date: 06-12-06

Project Director: G.FITZPATRICK

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Drawing No.: Drawing 4

Issue: A

WORKSHOP

YARD

OFFICE UNIT

WEIGHBRIDGE

SMALL SKIP PARKING AREA

VEHICLE UNLOADING AREA
(WITHIN BUIDING)

UARANTINE AREA
UILDING)

78.46

78.46

UND

UND

76.39

Location
of
Site
Notice

N

W E

S

N

LEGEND

SITE BOUNDARY

FW-1 FOULWATER MONITORING POINT

FOULWATER DRAINAGE SYSTEM

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd
A	14-12-06	Revised site boundary, foulwater system & monitoring points introduced	PM	GF

Client:
South East Recyling Company Ltd.

Project:
Waste Licence Review

Title:
Site Notice Location

Scale:
1:500@A3(1:1,000@A4)

Prepared by:	Checked:	Date:
P.M.	G.F.	06-12-06

Project Director: G.FITZPATRICK

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Drawing No.: Drawing 5

Issue: A

APPENDIX 1

Applicant Company Details

DUPLICATE FOR THE FILE

NUMBER

180219

Certificate of Incorporation

I hereby certify that

SOUTH EAST RECYCLING COMPANY LIMITED

is this day incorporated under
the Companies Acts 1963 to 1990
and that the company is limited.

Given under my hand at Dublin, this
Tuesday, the 29th day of October, 1991

For Registrar of Companies

Certificate received by:

CHARTERED COMPANY FORMATIONS LIMITED

Signed:

Date: 30/10/91

Greenstar Holdings Limited

Directors' report and financial statements

Greenstar Holdings Limited

Directors' and other information

Directors	M. Wynne (Non-Executive Chairman) (British) J. Barry (Non-Executive Deputy Chairman) A.G. Bailey S. Cowman J. Dempsey G. Dennison J. Dixon (Non-Executive Director) M. King (Non-Executive Director) W. Kitchen M. Walsh (Non-Executive Director)
Registered office	Burton Court Burton Hall Road Sandyford Dublin 18
Secretary	E. Bolger
Bankers	Allied Irish Banks Bank of Ireland Bank of Scotland (Ireland) Irish Intercontinental Bank Ulster Bank Barclays Bank Rabo Bank
Auditor	KPMG 1 Stokes Place St Stephen's Green Dublin 2
Solicitors	Arthur Cox Earlsfort Centre Earlsfort Terrace Dublin 2 Whitney Moore Wilton Park House Wilton Place Dublin 2

Greenstar Holdings Limited

Directors' report

The Directors have pleasure in submitting their annual report for Greenstar Holdings Limited ("the Company") and its subsidiaries (together "the Group") together with the audited financial statements for the fifteen month period ended 31 March 2006.

Principal activity and business review

The Group remains committed to the delivery of superior returns to its shareholders over the medium term. The Group, through the Company's subsidiaries, provides services and infrastructure at each level of the waste management hierarchy. Throughout the 15 month period, the Group continued to make significant progress towards its objective of becoming Ireland's leading provider of integrated waste management solutions, and providing national coverage in the Republic of Ireland.

The Group changed its year end from 31 December to 31 March to be in line with the year end of its parent company NTR plc.

Performance for the period and future developments

Revenue for the fifteen month period ended 31 March 2006 increased by 60% to €131.6 million *(year ended 31 December 2004: €81.9 million)*. Profit for the period grew by 27% to €12.6 million *(2004: €9.9 million)*. The main driver of the increase in revenue related to the operation of two additional landfills and also the expansion of the collection and transfer business through organic growth and acquisitions. The reduction in net operating margin from 17.4% to 14.7% reflects a softening of market prices amid increased competition and the impact of continued investment in management systems and infrastructure, necessary to support a fully integrated waste management business.

During the period, the Group invested significantly in residual landfill development, recycling, materials separation and bio-waste treatment activities. Total capital expenditure in the year exceeded €50.0 million. The Group's new state-of-the-art landfill in East Galway was completed in December 2005 and commenced operations in January 2006. Our KTK and Knockharley residual landfills continued to perform strongly throughout the period. During the period the Group continued to make substantial investments in its operations, which included provision for compliance with pay by use regulations and a new automated recycling processing facility.

The Group will continue to make substantial investment and has a number of planning applications currently under consideration for additional infrastructural facilities around the country. Construction on a Wicklow landfill commenced in May 2006 and is expected to be ready for commercial operation in early 2007. A state of the art materials recovery facility at Millennium Park in North Dublin to process commercial, industrial and construction waste will open in autumn 2006. The Group will continue to develop technology partnerships in the bio-waste area in readiness for the full implementation of the European landfill and bio-waste directives.

The Directors will continue to develop and enhance the current activities of the business and consider other waste management opportunities that may arise.

Greenstar Holdings Limited

Directors' report *(continued)*

Principal risks and uncertainties and key performance indicators

Under Irish Company law (Statutory Instrument 116.2005 – European Communities (International Financial Reporting Standards and Miscellaneous Amendments) Regulations 2005), the Group and Company are required to give a description of the principal risks and uncertainties faced, as well as a listing of the key performance indicators used to monitor performance. The Company is the holding company for the Group, and thus the risks below apply to both the Company and the Group.

This section describes the key risks considered by the Directors to be applicable. However, it is not an exhaustive list of all possible risks associated with the Group's operations.

The principal risks and uncertainties that the business faces are as follows:

1 The profitability of the business is highly sensitive to landfill pricing. Landfill prices are subject to normal market fluctuations and in particular a short term softening in pricing may be expected as certain landfill facilities reach the end of their life cycle resulting in pressure to fill remaining unused void space prior to closure.
2 The continued growth of the business is, in part, dependent on securing planning and licencing for new facilities and for facility extensions. The planning and licencing process is of it's nature uncertain given that decisions lie with external agencies, namely An Bord Pleanála and the Environmental Protection Agency ("EPA").
3 The odour issues inherent in the materials that the Group handles, mean that odour control is an important issue for the Group in terms of both the cost of compliance and the risk of liability to prosecution over real or alleged infringements
4 The issue of increased Government control over the flow of waste disposal, whereby Local Authorities are seeking to direct waste to specific facilities, poses a significant threat to the competitive landscape, and could act as a significant deterrent to future private sector investment.

The key performance indicators focused on by management are:

	2006 (15 months)	2004 (12 months)
Revenue	**€131.5m**	€81.9m
EBITDA	**€40.0m**	€25.8
EBITDA margin	**30%**	31%
EBIT	**€19.5m**	€14.2m
EBIT margin	**15%**	17%
Profit for the period	**€12.6m**	€9.9m
EBITDA: interest	**11.0**	13.6
Net debt: EBITDA	**2.3**	3.0
Tonnage	**822,539**	532,907
Revenue per tonne	**€160**	€154

Key performance indicators are in line with Group targets.

Greenstar Holdings Limited

Directors' report *(continued)*

Research and development

The Group did not engage in any research and development activities during the period.

Financial risk management policies

The main financial risks affecting the Group are public and employee liability, and credit and interest risk.

Public and employee liability
The Group holds insurance cover for public and employee liabilities of €6.5 million and €13.5 million respectively, for each and every claim. The Group also has top up insurance.

Credit risk
The Group's objective is to ensure there are no significant risks to the Group from failure by customers to pay. To reduce this exposure, all landfill customers, which represent the largest debtor values, are insured for credit risk. In addition, all customers must undergo a credit check before commencement of services. For all other customers, the directors are of the opinion that the Group policy for provision against bad debts provides sufficient cover against any significant loss.

Interest risk
For details on interest risk and the Group hedging policy, please refer to note 21 to the consolidated financial statements.

Directors and Secretary

The Directors and Secretary who served during the period and subsequent period to date were:

M. Wynne
J. Barry
A.G. Bailey
S. Cowman
J. Dempsey (appointed 17 January 2005)
G. Dennison
J. Dixon (appointed 21 April 2005)
E. Joyce (appointed 17 January 2005) (resigned 11 July 2006)
M. King
T. Kirwan (resigned 31 January 2005)
W. Kitchen (appointed 17 January 2005)
J. Mullins (appointed 17 January 2005) (resigned 1 March 2006)
M. Walsh
E. Bolger (Secretary)

Greenstar Holdings Limited

Directors' report *(continued)*

Directors' and Secretary's interests

The interests of the Directors and Secretary who held office at 31 March 2006 in the share capital of NTR plc (the ultimate parent company) at 31 March 2006 and 31 December 2004 were as follows:

Shares	**31 March 2006**		31 December 2004	
	Ordinary Shares* of €0.00125 each	**Share Options***	Ordinary Shares of €0.01 each	Share Options
J. Barry	**2,913,737**	-	209,908	-
M. King	**1,515,502**	-	141,602	-
M. Walsh	**966,019**	-	61,459	-
E. Bolger (Secretary)	**-**	-**	-	30,000

* On 5 June 2005 there was an 8 for 1 split of NTR plc ordinary shares.

** During the period, Eamon Bolger exercised the 240,000 share options which had been awarded to him to that date. The share price of the shares on the date of exercise was €4.45, and the exercise price was €0.90.

The interests of the Directors and Secretary who held office at 31 March 2006 in the share capital of the Company at 31 March 2006 and 31 December 2004 (or date of appointment if later) were as follows:

Share options	**At 31 December 2004**	**Forfeited during period**	**At 31 March 2006**	**Exercise price (€)**	**Exercise dates**
A.G. Bailey	40,000	-	40,000	1	2006-2010
S. Cowman	60,000	(300)	59,700	1	2006-2010
J. Dempsey	30,000	(469)	29,531	1	2006-2010
E. Joyce	30,000	(281)	29,719	1	2006-2010
W. Kitchen	30,000	(300)	29,700	1	2006-2010

Shareholdings

NTR plc is the beneficial owner of 3,800,000 "A" Ordinary Shares and 1 "C" Ordinary Share. Celtic Utilities Limited (of which NTR plc owns 76.95%) is the beneficial owner of 3,800,000 "B" Ordinary Shares.

Subsidiaries

The information required by the Companies Acts, 1963 to 2005, in relation to subsidiary undertakings is set out in Note 24 to the consolidated financial statements.

Greenstar Holdings Limited

Directors' report *(continued)*

Post balance sheets events

There have been no significant post balance sheet events which require disclosure in the financial statements.

Political donations

The Group made no political donations during the period *(12 month period ended 31 December 2004: €Nil)*.

Accounting records

The Directors believe that they have complied with the requirements of section 202 of the Companies Act, 1990 with regard to books of account by employing accounting personnel with appropriate expertise and by providing adequate resources to the financial function. The books of account of the Company are maintained at Unit 6, Ballyogan Business Park, Ballyogan Road, Sandyford, Dublin 18.

Auditor

In accordance with Section 160 (2) of the Companies Act, 1963, the auditor, KPMG, Chartered Accountants, will continue in office.

On behalf of the board

A.G. Bailey *Director*	S. Cowman *Director*	18 October 2006

Greenstar Holdings Limited

Statement of Directors' responsibilities

for the period ended 31 March 2006

The directors are responsible for preparing the Annual Report and the Group and Company financial statements, in accordance with applicable law and regulations**.**

Company law requires the directors to prepare Group and Company financial statements for each financial year. Under that law the directors have elected to prepare the Group financial statements in accordance with International Financial Reporting Standards ('IFRSs') as adopted by the EU and to prepare the Company financial statements in accordance with Generally Accepted Accounting Practice in Ireland, comprising applicable law and the accounting standards issued by the Accounting Standards Board and promulgated by the Institute of Chartered Accountants in Ireland.

The Group financial statements are required by law and IFRSs as adopted by the EU to present fairly the financial position and performance of the Group; the Companies Acts 1963 to 2005 provide, in relation to such financial statements, that references in the relevant part of that Act to financial statements giving a true and fair view are references to their achieving a fair presentation.

In preparing each of the Group and Company financial statements, the directors are required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Group and the Company will continue in business.

The directors are responsible for keeping proper books of account that disclose with reasonable accuracy at any time the financial position of the Company and enable them to ensure that its financial statements comply with the Companies Acts 1963 to 2005. They are also responsible for taking such steps as are reasonably open to them to safeguard the assets of the Group and to prevent and detect fraud and other irregularities.

The directors are responsible for the maintenance and integrity of the corporate and financial information included on the Group's website. Legislation in the Republic of Ireland governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

On behalf of the board

A.G. Bailey
Director

S. Cowman
Director

Independent auditor's report to the members of Greenstar Holdings Limited

We have audited the Group and Company financial statements (the ''financial statements'') on pages 10 to 78 of Greenstar Holdings Limited for the period ended 31 March 2006, which comprise the Consolidated Income Statement, the Consolidated Balance Sheet, the Consolidated Statement of Cash Flows, the Consolidated Statement of Recognised Income and Expense and the related notes together with the Company Balance Sheet and related notes. These financial statements have been prepared under the accounting policies set out therein.

This report is made solely to the Company's members, as a body, in accordance with section 193 of the Companies Act 1990. Our audit work has been undertaken so that we might state to the Company's members those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Company and the Company's members as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of directors and auditor

The directors' responsibilities for preparing the Annual Report and the Group financial statements in accordance with applicable law and International Financial Reporting Standards (IFRSs) as adopted by the EU, and for preparing the Company financial statements in accordance with applicable law and the accounting standards issued by the Accounting Standards Board and promulgated by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland), are set out in the Statement of Directors' Responsibilities on page 7.

Our responsibility is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

We report to you our opinion as to whether the financial statements give a true and fair view and have been properly prepared in accordance with the Companies Acts 1963 to 2005 and whether, in addition, the Group financial statements have been properly prepared in accordance with Article 4 of the IAS Regulation. We also report to you our opinion as to whether: proper books of account have been kept by the Company; whether at the balance sheet date, there exists a financial situation requiring the convening of an extraordinary general meeting of the Company; and whether the information given in the Directors' Report is consistent with the financial statements. In addition, we state whether we have obtained all the information and explanations necessary for the purposes of our audit, and whether the Company balance sheet is in agreement with the books of account.

We also report to you if, in our opinion, any information specified by law regarding Directors' remuneration and Directors' transactions is not disclosed and, where practicable, include such information in our report.

We read the Directors' Report and consider the implications for our report if we become aware of any apparent misstatements or material inconsistencies within the financial statements. Our responsibilities do not extend to any other information.

Independent auditor's report to the members of Greenstar Holdings Limited
(continued)

Basis of audit opinion

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgments made by the directors in the preparation of the financial statements, and of whether the accounting policies are appropriate to the Group's and Company's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or other irregularity or error. In forming our opinion we also evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion:

- the Group financial statements give a true and fair view, in accordance with IFRSs as adopted by the EU, of the state of the Group's affairs as at 31 March 2006 and of its profit for the period then ended;
- the Group financial statements have been properly prepared in accordance with the requirements of the Companies Acts, 1963 to 2005 and Article 4 of the IAS Regulation.
- the Company financial statements give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland, of the state of the Company's affairs at 31 March 2006; and
- the Company financial statements have been properly prepared in accordance with the Companies Acts, 1963 to 2005.

We have obtained all the information and explanations which we consider necessary for the purposes of our audit. In our opinion proper books of account have been kept by the Company. The Company balance sheet is in agreement with the books of account.

In our opinion the information given in the Directors' Report is consistent with the financial statements.

The net assets of the Company, as stated in the Company balance sheet, are more than half of the amount of its called-up share capital and, in our opinion, on that basis there did not exist at 31 March 2006 a financial situation which under Section 40 (1) of the Companies (Amendment) Act, 1983 would require the convening of an extraordinary general meeting of the Company.

18 October 2006

Chartered Accountants
Registered Auditor
Dublin

	Notes	15 month period ended 31 March 2006 €'000	12 month period ended 31 December 2004 €'000
Revenue, including share of joint venture		**131,586**	81,891
Less: share of joint venture's revenue		**(482)**	-
Group revenue		**131,104**	81,891
Cost of sales		**(86,556)**	(49,687)
Gross profit		**44,548**	32,204
Other operating income	*2*	**1,013**	30
Administration expenses		**(26,235)**	(17,985)
Operating profit before joint venture		**19,326**	14,249
Share of profit in joint venture		**219**	-
Profit before financing costs		**19,545**	14,249
Financial income	*4*	**22**	-
Financial expense	*4*	**(3,531)**	(1,882)
Profit before tax	*5*	**16,036**	12,367
Income tax expense	*6*	**(3,404)**	(2,442)
Profit for the period		**12,632**	9,925
Attributable to:			
Equity shareholders	*14*	**12,631**	9,925
Minority interest		**1**	-
		12,632	9,925

Notes 1 to 28 form part of these consolidated financial statements.

On behalf of the board

A.G. Bailey
Director

S. Cowman
Director

Greenstar Holdings Limited

(formerly Greenstar Limited)

Directors' report and financial statements

Contents *Page*

Greenstar Holdings Limited

(formerly Greenstar Limited)

Directors' and other information

Directors	J. Barry (Chairman) A. Bailey S. Cowman J. Dempsey G. Dennison E. Joyce M. King W. Kitchen J. Mullins M. Walsh M. Wynne (British)
Registered office	Burton Court Burton Hall Road Sandyford Dublin 18.
Secretary	E. Bolger
Bankers	Allied Irish Banks Bank of Ireland Bank of Scotland (Ireland) Irish Intercontinental Bank Ulster Bank
Auditors	KPMG 1 Stokes Place St Stephen's Green Dublin 2
Solicitors	Arthur Cox Earlsfort Centre Earlsfort Terrace Dublin 2

Greenstar Holdings Limited

(formerly Greenstar Limited)

Directors' report

The Directors have pleasure in submitting their annual report for Greenstar Holdings Limited ("the Company") and its subsidiaries (together "the Group") together with the audited financial statements for the year ended 31 December 2004.

Principal activity and business review

The Group remains committed to the delivery of superior returns to its shareholders over the medium term. Throughout 2004, the Group continued to make significant progress towards its objective of becoming Ireland's leading provider of integrated waste management solutions. Revenues in 2004 increased by 8% to €81.9 million *(2003: €75.9 million)*. Profits after tax grew by 17 % to €9.6 million *(2003: €8.2 million)*. The small reduction in net operating margin from 17.7% to 16.9% reflects the impact of investment in management systems and infrastructure, necessary to support a fully integrated waste management business.

The Group's primary focus in 2004 was to strengthen the senior management team and to rationalise the Group's operations in order to achieve the benefits arising from the integration of six acquisitions it has made over the past three years. There were no new acquisitions made in 2004.

2004 saw a significant investment in residual landfill development, recycling, materials separation and bio-waste treatment activities. Total capital expenditure in the year exceeded €47.0 million. The Group's new state of the art landfill at Knockharley, Co. Meath was completed ahead of time and within budget. It commenced operations in January 2005. Our KTK residual landfill continued to perform strongly throughout the year. Planning permission was also received during the year for additional residual landfill facilities, at Ballynagran, Co. Wicklow and Kilconnell, Co. Galway.

The Group also successfully tendered for two three-year contracts, one with Dun Laoghaire-Rathdown Council to operate its new MSW Baling Station and Civic Recycling Park at Ballyogan, Co. Dublin and the other with Sligo County Council to operate and manage its Civic Recycling Facility in Tubbercurry, Co. Sligo.

The Group will continue to make substantial investment and has a number of planning applications currently under consideration for additional infrastructural facilities with local authorities around the country. Amongst these are applications to build recycling facilities in Dublin and Cork, residual landfills for waste that cannot be reused, recycled or recovered in Cork, Westmeath and Kildare, and a biological treatment facility to compost over 50,000 tones of biodegradable waste in Dublin.

Research and development

The Group did not engage in any research and development activities during the year.

Future developments

The Directors will continue to develop and enhance the current activities of the business and consider other waste management opportunities that may arise.

Results, dividends and state of affairs

The Group recorded a profit for the financial year of €9.6m *(2003: €8.2 million)*. No dividends are proposed by the Directors.

Shareholders' funds at 31 December 2004 amounted to €44.9 million *(2003: €34.7 million)*.

Greenstar Holdings Limited
(formerly Greenstar Limited)

Directors' report *(continued)*

Directors and Secretary

The Directors and Secretary who served during the year and subsequent period to date were:

J. Barry (Chairman)
A. Bailey
S. Cowman
J. Dempsey (appointed 17 January 2005)
G. Dennison
J. Gallagher (resigned 27 September 2004)
E. Joyce (appointed 17 January 2005)
M. King
T. Kirwan (resigned 31 January 2005)
W. Kitchen (appointed 17 January 2005)
J. Maher (resigned 27 September 2004)
J. Mullins (appointed 17 January 2005)
M. Walsh
M. Wynne (British)
E. Bolger (Secretary)

Directors' and Secretary's interests

The interests of the Directors and Secretary who held office at 31 December 2004 in the share capital of NTR plc (the ultimate parent company) at 31 December 2004 and 31 December 2003 (or date of appointment if later) were as follows:

Shares	**2004**		**2003**	
	Ordinary Shares	**Share Options**	**Ordinary Shares**	**Share Options**
J. Barry	209,908	-	123,900	-
M. King	141,602	-	75,336	-
M. Walsh	61,459	-	-	-
E. Bolger (Secretary)	-	30,000	-	30,000*

* Exercisable at €7.20 between 2005 and 2012.

The interests of the Directors and Secretary in the share capital of the Company at 31 December 2004 and 31 December 2003 were as follows:

Share options	**At 31 December 2003**	**Granted during year**	**At 31 December 2004**	**Exercise price (€)**	**Exercise dates**
A. Bailey	40,000	-	40,000	1	2005 – 2012
S. Cowman	-	60,000	60,000	1	2006 – 2012

Greenstar Holdings Limited
(formerly Greenstar Limited)

Directors' report *(continued)*

Shareholdings

NTR plc is the beneficial owner of 3,800,000 "A" Ordinary Shares and 1 "C" Ordinary Share. Celtic Utilities Limited is the beneficial owner of 3,800,000 "B" Ordinary Shares.

Subsidiaries

The information required by the Companies Acts, 1963 to 2003, in relation to subsidiary undertakings is set out in Note 10 to the financial statements.

Post balance sheets events

There have been no post balance sheet events which require disclosure in the financial statements.

Political donations

The Group made no political donations during the year *(2003: €nil)*.

Accounting Records

The Directors believe that they have complied with the requirements of section 202 of the Companies Act, 1990 with regard to books of account by employing accounting personnel with appropriate expertise and by providing adequate resources to the financial function. The books of account of the Company are maintained at Unit 6, Ballyogan Business Park, Ballyogan Road, Sandyford, Dublin 18.

Health and Safety

It is the policy of the Group to ensure the health, welfare and safety of its employees by maintaining a safe and healthy work environment. This policy is based on the requirements of employment legislation including the Safety, Health and Welfare at Work Act, 1989.

Change of name

As part of an internal restructuring, Greenstar Recycling Holdings Limited changed its name to Greenstar Limited on 1 March 2004. It subsequently changed its name from Greenstar Limited to Greenstar Holdings Limited on 28 April 2004.

Auditors

In accordance with Section 160 (2) of the Companies Act, 1963, the auditors, KPMG, Chartered Accountants, will continue in office.

On behalf of the board

2005

Director *Director*

Greenstar Holdings Limited

(formerly Greenstar Limited)

Statement of Directors' responsibilities

for the year ended 31 December 2004

Company law requires the Directors to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the Company and Group and of the profit or loss of the Group for that year. In preparing those financial statements, the Directors are required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and estimates that are reasonable and prudent;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Group will continue in business.

The Directors are responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the Company and the Group and which enable them to ensure that the financial statements comply with the Companies Acts, 1963 to 2003 and all Regulations to be construed as one with those Acts. They have general responsibility for taking such steps as are reasonably open to them to safeguard the assets of the Group and to prevent and detect fraud and other irregularities.

On behalf of the board

Director *Director*

Independent auditors' report to the members of Greenstar Holdings Limited
(formerly Greenstar Limited)

We have audited the financial statements on pages 8 to 30.

This report is made solely to the Company's members, as a body, in accordance with Section 193 of the Companies Act, 1990. Our audit work has been undertaken so that we might state to the Company's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Company and the Company's members as a body for our audit work, for this report or for the opinions we have formed.

Respective responsibilities of Directors and auditors

The Directors are responsible for preparing the Directors' report and, as described on page 5, the financial statements in accordance with applicable Irish law and accounting standards. Our responsibilities, as independent auditors, are established in Ireland by statute, the Auditing Practices Board and by our profession's ethical guidance.

We report to you our opinion as to whether the financial statements give a true and fair view and are properly prepared in accordance with the Companies Acts. As also required by the Acts, we state whether we have obtained all the information and explanations we require for our audit, whether the Company's balance sheet is in agreement with the books of account and report to you our opinion as to whether:

- the Company has kept proper books of account;
- the Directors' report is consistent with the financial statements; and
- whether, at the balance sheet date, a financial situation existed that may require the Company to hold an extraordinary general meeting, on the grounds that the net assets of the Company, as shown in the financial statements, are less than half of its share capital.

We also report to you if, in our opinion, information specified by law regarding Directors' remuneration and transactions with the Group is not disclosed.

Basis of audit opinion

We conducted our audit in accordance with Auditing Standards issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgments made by the Directors in the preparation of the financial statements, and of whether the accounting policies are appropriate to the Group's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or other irregularity or error. In forming our opinion we also evaluated the overall adequacy of the presentation of information in the financial statements.

Independent auditors' report to the members of Greenstar Holdings Limited
(formerly Greenstar Limited) (continued)

Opinion

In our opinion, the financial statements give a true and fair view of the state of the affairs of the Company and Group as at 31 December 2004 and of the Group's profit for the year then ended and have been properly prepared in accordance with the Companies Acts, 1963 to 2003 and all Regulations to be construed as one with those Acts.

We have obtained all the information and explanations we considered necessary for the purposes of our audit. In our opinion, proper books of account have been kept by the Company. The Company balance sheet is in agreement with the books of account.

In our opinion, the information given in the Directors' report on pages 2 to 4 is consistent with the financial statements.

The net assets of the Company, as stated in the balance sheet on page 14, are more than half of the amount of its called up share capital and, in our opinion, on that basis there did not exist at 31 December 2004 a financial situation which, under section 40(1) of the Companies (Amendment) Act, 1983, would require the convening of an extraordinary general meeting of the Company.

2005

Chartered Accountants
Registered Auditors
Dublin

APPENDIX 2

Trade Effluent Licence

Comhairle Chontae
Loch Garman

Wexford County Council
County Hall
Wexford

Tel 053 76500
Fax 053 43406
email postmaster@wexfordcoco.ie

Rialtas Áitiúil
Local Government

WEXFORD COUNTY COUNCIL

Local Government (Water Pollution) Acts, 1977 and 1990

Notification of Grant of Discharge Licence with Conditions.

Reference No. **SS/S047/02** To. **Sewmar Ltd.,**
T/A South East Recycling Company Ltd.,
"Carrigbawn",
Pembrokestown,
Wexford.

In pursuance of the powers conferred on it by the above mentioned Acts, the Council of the County of Wexford has ordered, by Manager's Order, dated 15th August, 2005, that notification of a grant of discharge licence, with conditions, be issued to Sewmar Ltd., T/A South East Recycling Company Ltd., "Carrigbawn", Pembrokestown, Wexford, in respect of application reference no. SS/S047/02, for the discharge of trade effluent to the public sewer.

If there is no appeal against this notification of grant, your discharge licence application will be granted in accordance with the terms of this notification after the expiration of the period within which an appeal may be made to An Bord Pleanala. (See footnote).

Water Services Department,
County Hall,
Wexford.

Signed on behalf of the said Council

County Secretary.

Dated this 19th day of August, 2005.

100 Years of Community Service
Céad bliain ag tabhairt seirbhíse don phobal

Note:

An appeal against a decision of a licensing authority may be made to An Bord Pleanala under the provisions of Section 8 (in respect of discharge to waters) and Section 20 (in respect of discharge to sewers), as amended, of the Local Government (Water Pollution) Acts, 1977 and 1990.

Any person may appeal at any time within the period of one month beginning on the date of the grant or refusal of a licence.

Appeals should be addressed to the Secretary, An Bord Pleanala, 64, Marlborough Street, Dublin 1 and will be invalid unless accompanied by the appropriate fee.

An appeal shall:-

(a) Be made in writing;
(b) State the subject matter of the appeal and;
(c) State the grounds of the appeal.

Detailed information on the Regulations concerning appeals is available in S.I. No. 271 of 1992.

Sewmar Ltd
(t/a South East Recycling Ltd)

Discharge Licence to Sewer

SS/S047/02

CONDITIONS AND SCHEDULES

CONDITIONS

CONDITION 1: SCOPE

1.1 The activity Truck washing & Bin washing of residual waste shall be controlled, operated and maintained such that the conditions attached to this licence are complied with.

1.2 No alterations to, or reconstruction in respect of the activity or any part thereof which would or is likely to result in material change or increase in:

- The nature or quantity of the effluent,
- The treatment system or any changes in:
- The site management and control with adverse environmental significance shall be carried out or commenced without prior notice to and without the prior written agreement of Wexford County Council.

1.3 This licence is for the purpose of licensing discharges to sewers as defined in the Local Government (Water Pollution) Act, 1977 and Local Government (Water Pollution) (Amendment) Act, 1990 and nothing in this licence shall be construed as negating the licensees statutory obligations or requirements under any other enactments or regulations.

1.4 Any reference in this licence to 'site' shall mean the plan area included in the site plan submitted by the licensee (SS/S047/02).

1.5 The facility and any associated effluent treatment systems shall remain in the ownership of the applicant. In the event of transfer of ownership the Licensee shall notify Wexford County Council of such a transfer within one month of transfer.

Reason: To clarify the scope of this licence.

CONDITION 2: NOTIFICATION AND RECORD KEEPING OF INCIDENTS

2.1 The licensee shall notify Wexford County Council by telephone and facsimile/email, if available, as soon as practicable after the occurrence of any of the following:

a) Any unscheduled emissions or any emission, which does not comply with terms of this licence.

b) Any incident with the potential for environmental contamination of surface or groundwater or requiring an emergency response from Wexford County Council.

c) Any malfunction of control equipment that is likely to lead to loss of control of any treatment system.

2.2 The licensee shall include as part of the notification, date and time of the incident, details of the occurrence and the steps taken to minimise the emissions and avoid recurrence. The licensee shall make a record of any incident as set out in condition 2.1 above.

2.3 The licensee shall maintain a written record of all complaints of an environmental nature relevant to licensed emissions. Each such record shall give details of the following:-

1) Date and time of complaint.

2) Names and address of complainant (where provided).

3) Details and nature of complaint.

4) Actions taken on foot of the complaint and the result of such action.

5) The response made to each complaint.

Reason: To provide for the notification and record keeping of incidents and to provide for the requirements of the local authority in accordance with Section 14 of the Local Government (Water Pollution) Act, 1977-1990.

CONDITION 3: SITE DESIGN AND MANAGEMENT

3.1 All trade & domestic effluent from the premises shall be collected and discharged to the public sewer in accordance with Schedule 1.

3.2 The applicant shall construct an inspection chamber to the satisfaction of the County Council. Details shall be agreed in writing with the Council's Environment section before installation. (See Condition 4.8)

3.3 No overflow or bypass system shall be installed which can allow untreated or partially treated trade effluent to discharge to surface waters.

3.4 The foul sewers for trade and domestic effluent under the control of the licensee shall be inspected weekly, and properly maintained at all times. Records to be kept of such inspections and maintenance.

3.5 The Licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition on this licence.

3.6 The Licensee shall permit authorised persons of the Licencing Authority or its authorised agents or any body having statutory responsibility for Water Pollution Control to inspect, examine and test any works installed in connection with trade and domestic effluent, and to take samples of the trade or domestic effluent.

3.7 The total daily volume of effluent discharged to the sewer shall not exceed the quantities outlined in Schedule 1.

3.8 In addition to the above, metals or any other toxic substances shall not be present in the effluent in any significant amounts, which would be likely to have adverse effects on the environment, or in such quantities as to result in a breach of any water quality standard. In addition to the above limiting concentrations, fats, oils and grease and other components shall not be present in the treated discharge effluent except in accordance with emission limit values.

Reason: To make provisions for management of the activity and maintenance of effluent treatment equipment.

CONDITION 4: EMISSIONS TO SEWERS OF TREATED EFFLUENT

4.1 Effluent shall include:

a) Domestic and sewage effluent

b) Effluents from any works, apparatus, plant or drainage pipe discharging from the premises used for the carryout of any trade or industry outlined in application SS/S047/02.

4.2 There shall be no other emissions to sewer of environmental significance. All effluent treatment equipment shall be provided on site and shall operate in accordance with emission limit values of Schedule 1 - Emissions to Sewer.

4.3 No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.

4.4 The licensee shall ensure that the effluent discharge shall not contain petroleum spirits or organic solvents (including chlorinated organic solvents) which would give rise to flammable or explosive vapours in the sewer.

4.5 The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.

4.6 No substance shall be present in such concentrations as would constitute a danger to sewer maintenance personnel, or sewer fabric or to the liberation of by-products which may be of environmental significance or interfere with the operations of a wastewater treatment works.

4.7 No substance shall be present in such concentration as would interfere with the operation of the wastewater treatment plant.

Monitoring Facilities

4.8 The Licensee shall provide and at all times maintain in good working condition a readily and safely accessible monitoring chamber at the outfall of the trade effluent to sewer. The chamber floor shall be at least 225mm lower than the invert levels of the chamber's inlet and outlet pipes. This sampling point shall be accessible at all times from the public highway. This chamber shall incorporate:

a) Automatic flow measurement equipment, which shall continuously indicate, integrate, and record the cumulative daily flow in m^3 .

b) A manual sampling point, which shall be suitable for sampling the effluent in an accessible position.

The immediate area of sampling chamber shall have safe access and be maintained free of excess plant growth/debris.

4.9 The Licensee shall carry out monitoring of it's effluent prior to discharge to Sewers in accordance with Schedule 2.

4.10 Where it comes to the attention of the licensee that a breach has or is likely to occur in relation to their licence he/she shall notify the licensing Authority by facsimile, e-mail and telephone (details listed in Contact Details). The licensee shall initiate an investigation into the possible causes of the breach. Immediate action to be taken to prevent further discharge from the premises until such time as the cause of the breach has been rectified. Further analysis to be carried out on the discharge and a report furnished to Wexford County Council.

4.13 A breach of licence condition notification shall include date and time of incident, details of occurrence, procedure for taking of corrective action to minimise and avoid re-occurrence. The licensee shall keep records of all incidents.

4.14 The Licensee shall keep records of all monitoring carried out and shall retain all summary reports of the records for a period of three years. These records shall be available for inspection at all reasonable times by authorised personnel of the Licensing Authority or its authorised agents or by any body having statutory responsibility for Water Pollution Control.

4.15 All monitoring results above shall be submitted to Wexford County Council as per Schedule 3- Recording and Reporting. Returns can be made by

(a) electronic mail or

(b) Hard copy

4.16 The Licensing Authority shall reserve the right at any time to increase or decrease the frequency of sampling and analyses required.

4.17 All sampling and analysis specified in Schedule 2 – Monitoring of Emissions to Sewer shall be carried out for the licensee by a laboratory approved by Wexford County Council. The licensee shall provide the name and address of this laboratory to Wexford County Council within one month of the date of grant of licence.

4.18 All costs incurred in specified sampling and analysis shall be borne by the licensee, as shall all regulatory sampling and analysis carried out by or on behalf of Wexford County Council in accordance with charges detailed in Schedule 4 – Effluent Monitoring and Administrative Charges. An annual administration charge in accordance with in Schedule 4 –Effluent Monitoring and Administrative Charges shall be payable by the licensee. Charges shall be paid by the licensee to Wexford County Council on the 31st January of every year thereafter, except for the first year of issue of the licence where charges are to be apportioned from the date of issue of the licence to the 31st January of the subsequent year.

4.19 Authorised officers of Wexford County Council or its agents, and persons having responsibility for water pollution control reserve the right to take whatever additional samples for analysis considered appropriate. The licensee shall reimburse Wexford County Council or its agents on demand for the costs of such sampling and analysis, which shall be in accordance with Schedule 4 – Trade Effluent Monitoring and Administrative Charges.

Reason: By way of control, limitation and monitoring of emissions to provide for the protection of the environment.

CONDITION 5: SURFACE WATER (STORM WATER)

5.1 Under no circumstances shall trade or domestic effluent or contaminated storm water be permitted to discharge to any storm water pipeline.

5.2 The licensee shall ensure that only uncontaminated surface water is discharged to a surface water drain.

5.3 In the event that any analysis or observation made on the quality or appearance of surface water runoff should indicate that contamination has taken place, the licensee shall:

i. Carry out an immediate investigation to identify and isolate the source of contamination.

ii. Put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment.

iii. Notify Wexford County Council (Environment Section) as soon as practicable.

Reason: To provide for the protection of the environment.

CONDITION 6: CONTRIBUTIONS

6.1 The Licensee shall pay the Licensing Authority such annual contributions towards the costs of monitoring the effluent discharge as the Authority considers necessary, as outlined in Schedule 4 for the performance of its duties under the Local Government (Water Pollution) Acts, 1977 and 1990, as follows:

(a) The contribution as set out in Schedule 4 shall be index linked with the Consumer Price Index, based on the Index value for **March 2005** and the Index value for the month preceding the due date for payment of each annual contribution. This contribution shall be paid within two months of the due date for each year. The contribution shall fall due on 31st January of each year

(b) Notwithstanding the above, the Licensing Authority shall at all times reserve the right to alter the annual rate of contribution, having regard to actual monitoring requirements and costs of monitoring.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

SCHEDULE 1 - EMISSIONS TO SEWER

Emission to: Discharge to public sewer at Pembrokestown **Co-ordinates** 303871 119583

SCHEDULE 1A
Trade Effluent Emitted to Sewer

Parameter	Unit of Measurement	Emission limit
BOD_5	mg/l	400
COD	mg/l	1500
Suspended Solids	mg/l	500
Temperature	°C	30
PH	-	6-9
Chloride	Mg/l Cl	250
Sulphate	mg/l SO4	250
Oils Fats and Grease	mg/l	30
Arsenic	mg/l	0.025
Chromium	mg/l	0.005
Flouride	mg/l	0.5
Copper	mg/l	.005
Lead	mg/l	.005
Zinc	mg/l	0.1
Nickel	mg/l	.008
Cyanide	mg/l	.010

SCHEDULE 1B
Continuous Monitoring of Trade Effluent Emitted to Sewers

Maximum Total Daily Flow Allowed	m^3/day	40 m^3/day

SCHEDULE 2 – MONITORING OF EMISSIONS TO SEWER

Monitoring Points:
Sampling Chamber for trade effluent prior to entry to sewer.
Non-Continuous Monitoring of Trade Effluent Emitted to Sewers

Control Parameter	Monitoring Frequency	Analysis Method/Technique	Sampling Method
BOD	Quarterly	Standard Method	Grab Sample
COD	Quarterly	Standard Method	Grab Sample
Suspended Solids	Quarterly	Standard Method	Grab Sample
Temperature	Quarterly	Standard Method	Grab Sample
PH	Quarterly	Standard Method	Grab Sample
Sulphate	Quarterly	Standard Method	Grab Sample
Chloride	Quarterly	Standard Method	Grab Sample
Oils Fats and grease	Quarterly	Standard Method	Grab Sample
Ar,Cr,Fl,Cu,Pb,Zn,Ni,Cy	Quarterly	Standard Method	Grab Sample
Maximum Total Daily flow Allowed	Daily	Standard Method	Continuous Sample

SCHEDULE 3 - RECORDING AND REPORTING

Control Parameter	Submission of Results
All parameters	Within four weeks of sample taking
Maximum Total Daily flow Allowed	With Chemical monitoring returns

SCHEDULE 4 – TRADE EFFLUENT MONITORING AND ADMINISTRATIVE CHARGES

Trade Effluent Monitoring

(a) Laboratory charges for effluent analysis payable to Wexford County Council.

(i) where carried out by E.P.A. Regional Laboratory on behalf of Wexford County Council.
€150 per sample to include the following parameters.
BOD and/or COD mg/l
pH
Suspended Solids mg/l
Nitrogen mg/l
Phosphates mg/l

- Any additional parameters or additional laboratory tests shall be charged at existing commercial laboratory rates.
- The above charges shall be taken to include all travelling, sampling and laboratory charges.

(ii) Where effluent analysis is carried out by a private commercial laboratory (as per licence condition) all costs shall be borne directly by the licensee and no payment shall be levied by Wexford County Council.

(iii) Where carried out by Wexford County Council staff or by a private commercial laboratory acting on behalf of Wexford County Council as per (.i) above.

Extraordinary site inspections as a result of any incident referred to in standard licence conditions 2.1.1 and 2.1.2. will be charged at €40 per trip.

Annual Administration

In accordance with the following based on the strength and volume of effluent prior to treatment expressed in terms of population equivalent where such classification is possible.

Population equivalent less than or equal to 10	€126.97
Population equivalent less than 100 but greater than 10	€253.95
Population equivalent less than 1,000 but greater than or equal to 100	€634.87
Population equivalent greater than 1,000	€1269.73

(Population Equivalent = 200 litres/day at 300 mg/l B.O.D.$_5$ = 60 grams B.O.D.$_5$)

Population Equivalent for this facility is 6.25m3 x 350mg/l BOD = 2187.5 grams BOD/Day = 36 P.E

The annual administration charge will be **€ 253.95** per annum.

GLOSSARY OF TERMS

Activity:	Truck washing & Bin washing of residual waste.
Annually:	Before 31st January of each calendar year for the proceeding year.
B.O.D.$_5$:	5 day Biochemical Oxygen Demand.
C.O.D.:	Chemical Oxygen Demand.
Date of Licence:	One month after notice of decision by Wexford County Council to grant a licence or date of decision by An Bord Pleanala in the event of an appeal by the licensee and/or third party.
Effluent Treatment System:	All equipment used to treat and monitor effluent.
Foul Sewerage System:	All pipelines, tanks etc used to convey contaminated liquids to the effluent treatment plant.
Licensing Authority	Wexford County Council
Licensee:	Sewmar Ltd, T/A South East Recycling Co Ltd
Monthly: intervals.	At least 12 times per year at approximately monthly
pH:	The negative logarithm of the hydrogen ion concentration of a solution and it is thus a measure of the whether the solution is acid or alkaline.
Population Equivalent:	1 p.e. (population equivalent) means the organic biodegradable load having a five-day biochemical oxygen demand (B.O.D.$_5$) of 60 g of oxygen per day.
Quarterly:	Once during a continuous distinct period of three months with a minimum interlude between monitoring of 8 weeks.
Standard Methods:	As detailed in "Standard Methods for the Examination of Water and Wastewater", 19th Edition.
TON:	Total Oxidised Nitrogen – the sum of the nitrate and nitrite contents of a solution.
Twice Yearly:	At least 2 times per year at approximately 6 month intervals

Weekly:	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than 1 measurement on any one week.

CONTACT DETAILS OF WEXFORD COUNTY COUNCIL

Telephone	053 76500
Facsimile	053 22451
E-mail	postmaster@wexfordcoco.ie

APPENDIX 3

AER 2005 & EMP 2006

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

E.P.A Waste Licence No. 111-1

Annual Environmental Report 2005

Prepared By:

John Mernagh
Environmental Manager

South East Recycling Co. Ltd

South East Recycling Co. Ltd

ANNUAL ENVIRONMENTAL REPORT

January 2005

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1.0 INTRODUCTION

South East Recycling Co. Ltd commissioned Euro Environmental Services Ltd (Euro) to carry out environmental monitoring and associated reporting at South East Recycling Centre, Waste Licence 111-1, situated at Carrigbawn, Pembrokestown, Co. Wexford.

The EPA issued South East Recycling Ltd. with a waste licence on 24th January 2001. Under Condition 2, Section 2.8 of the Waste Licence 111-1 an Annual Environmental Report (AER) must be prepared and submitted to the Environmental Protection Agency (EPA) for their agreement.

This AER is the fifth such report produced detailing the activities carried out at the facility in the period from 1st January 2005 to the 31st December 2005.

2.0 WASTE ACTIVITIES

2.1 Waste Types

The South East facility is licensed to handle a maximum of 13,500 tonnes of waste per annum. Commercial waste (5,000 tonnes), industrial non-hazardous waste (3,500 tonnes), construction and demolition waste (3,500 tonnes) and recyclables collected from bring centres (1,500 tonnes) are accepted at the facility. Waste loads arriving at the facility originate from County Wicklow, Carlow, Kilkenny,and Wexford.

Commercial and Industrial Waste

Both mixed and segregated commercial waste is collected from commercial outlets throughout the southeast region. Commercial waste rich in recyclables (paper, cardboard and plastic) is delivered to the facility by third party hauliers and by South East vehicles. Recyclable material is segregated from the waste stream and the remaining non-recyclable or residual material is transferred to licensed landfills.

Construction and Demolition Waste

Waste loads include mixed construction and demolition wastes and soil and stone. Construction and demolition material arrives on-site in skips of varying sizes. The waste loads are then inspected and segregated. Recyclable materials are extracted from the waste for reuse and non-recyclable materials are transferred to licensed landfill.

Recyclables

Aluminium cans, paper and cardboard, glass and plastics are collected from civic amenity centres and from kerbside recycling bin collections. All unspoilt material is transported to appropriate recycling facilities.

2.2 Individual Waste Streams

2.2.1 Packaging Waste (EWC 15 01)

Packaging waste including separately collected municipal packaging waste is accepted at the facility. Cardboard, paper and plastics are collected from commercial and industrial premises such as supermarkets and from household recycling bin collections. Any mixed waste is segregated and cardboard and paper are stockpiled prior to baling. The baling process consists of placing the cardboard onto a conveyor, which feeds the baling press. The bales are stored prior to delivery to approved licenced or permitted facilities.

2.2.2 Paper and Cardboard (EWC 15 01 01, 20 01 01)

Paper and cardboard arrive on-site in either pre-segregated or in mixed waste loads. Material suitable for recycling is baled and transferred to approved licensed or permitted facilities.

2.2.3 Plastics (EWC 15 01 02, 20 01 39)

Plastics, including plastic bottles and plastic containers, arrive onsite in both pre-segregated and mixed waste loads. Pre-segregated waste loads arrive from civic amenity centres and mixed waste loads from kerbside recycling collections.

2.2.4 Glass (EWC 15 01 07, 20 01 02)

Glass is collected from civic amenity bottle banks and from public houses. The glass bottles are further segregated and transferred to approved licensed or permitted facilities for recycling. Window glass arrives at the facility in either mixed construction and demolition loads or segregated loads. This glass is also transferred to approved licensed or permitted facilities.

2.2.5 Metals (EWC 15 01 04, 17 04, 20 01 40)

Aluminium cans, collected from schools and civic amenity facilities, arrive onsite in pre-segregated waste loads. The aluminium cans are baled and stockpiled before transfer to approved licensed or permitted facilities for recycling. Scrap metal arriving in mixed construction and demolition waste loads is segregated and sent for recovery to approved licensed or permitted facilities.

2.2.6 Wood (EWC 15 01 03, 17 02 01, 20 01 38)

Timber is segregated from incoming waste and transferred to approved licensed or permitted facilities. Any contaminated wood is removed from the waste stream and sent to approved licensed or permitted facilities.

2.2.7 Soil and Stone (EWC 17 05 04)

Soil and stone arrives on site in mixed construction and demolition loads and is also arrives on site pre-segregated. This material is then transferred to approved licensed or permitted facilities.

Processes

The equipment presently in use at the South East Recycling facility located in Pembrokestown, Co. Wexford is detailed in Table 2.3 below.

Table 2.3 Equipment used at South East Recycling

No.	Type	Model
1	Baler	BOA. 80 Automatic baler
1	Compactor	ACT 72/70
14	Trucks	Hook Lifts, Skip trucks, Glass collectors, Refuse trucks, Mini skip trucks, Rear end loaders
1	Forklift	JCB Teletruck 3 ton
1	Tack Loading Machine	312 with Hydraulic Grad
1	Telescopic Loader	J.C.B with Bucket Grab
1	Sweeper	Rota sweeper for telescopic loader
1	Weighbridge	Avery Berkel with Precia Molen Computer System

2.3.1 Waste Sorting Bay and Baler

The main recovery process at the site is that provided by the baler located within the main recycling building. The sorting line includes an auto can sorting process and removal process. Any contaminants, from the waste stream, are removed at this stage allowing material suitable for recycling to remain on the conveyor. Suitable material is fed onto the conveyor, which feeds the baler. The baler is capable of baling paper, cardboard, cans and plastic. Bales are stockpiled prior to removal from the site to appropriate approved licensed or permitted facilities.

2.3.2 Compactor Unit

A compactor is used at the facility to compress non-recyclable waste. Waste unsuitable for recycling is fed into the compactor by the loading shovel. This process increases the density and reduces the volume of the waste loads diverted to landfill.

3.0 QUANTITIES AND COMPOSITION OF WASTE

Presently the facility at Pembrokestown is licensed to handle 13,500 tonnes of waste per annum. The quantities of material handled at the facility during 2005 are presented in Table 3.1 below.

As specified in Condition 5.2 of the waste licence, only those categories and quantities listed in Schedule G shall be lawfully accepted at the facility. During 2005 a total of 30,076 tonnes of waste was accepted at the facility.

3.1 Separation and Recovery Targets

Separation and recovery rates for 2005 are also presented in Table 3.1. In 2005 the facility reached an overall recovery rate of 69.19% or 20,811.00 tonnes.

Government policy, as outlined in *Changing Our Ways,* aims to recycle 85% of construction & demolition waste and divert 50% of household waste from landfill by 2013. Current recovery rates at the facility are in line with proposed national recycling rates. Recovery rates for the kerbside collection waste stream at the facility are expected to improve significantly in the coming year.

Table 3.1

Waste Quantities Accepted	Tonnes per Annum 2005			Final Disposal and/ or Recovery Location
	Received	Recycled or Recovered	Landfilled	
Cardboard	1727	1583		Bailey Waste Papers Ltd
Mixed Paper	53	5		Bailey Waste Papers Ltd
Timber	633	480		Weyerhauser Ltd
Plastic	165	42		Clearpoint Ltd
Scrap Metal	70	728		Molloy Metal Recycling Ltd
Drink Cans	218	173		Molloy Metal Recycling Ltd
Kerbside	4753	1974		Clearpoint Ltd
		2596		Waterford County Council
		87		Wastebeater
Glass	5577	3755		Berryman Glass Ltd
		1432		Staffords Shipping Ltd
			658	KTK Landfill
			3948	Greenstar Ltd
Commercial			502	Tramore Landfill
& Industrial	14919		895	Killurin Landfill
Non-Hazardous			547	Ballinasloe
		4078		Wastebeater Ltd
			2485	Whiteriver Landfill
			26	Ormonde Waterford
Construction	1961	2189		Thomas Driver Ltd
& Demolition		1689		Pat Walsh Ltd
Total Received				30076
Total Recycled or Recovered				20811
Total Landfilled				9061
% of material Recycled				**69.19%**

4.0 ENVIRONMENTAL MONITORING AND EMISSIONS DATA

Monitoring of surface water was carried out during 2005. Original laboratory results for surface water are presented in Appendix A. The monitoring locations for surface water are shown in Figure 1.

4.1 Surface Water Emissions

Grab samples were taken at monitoring location SW2 and at the outfall of the interceptor and SW3 on 20TH December 2005 The monitoring locations are shown on Figure 1. Monitoring locations SW1 is no longer accessible, and monitoring for this point is now carried out at monitoring point marked "Outfall", this monitoring point for re-location has been agreed with the Agency. The interceptor system was emptied and cleaned out on the 28th October 2005 as a result of an incident on the 27th October 2005. An incident report form was filled out by the facility manager on the 29th October 2005 and was forwarded to the Agency by fax and post.

Surface water samples that were taken on the 20th December 2005 were transferred in cooler boxes to the Euro Environmental Ltd laboratory for analysis. The surface water samples were analysed for the parameters specified in Schedule E of the Waste Licence (111-1) and the results are presented in Table 4.1.

Table 4.1: Surface Water Emission Levels

3rd Quarter

Sample Reference						**4970/010/01/02/03**	
Sample Type						**Surface Water**	
Sample Date						**20/12/2005**	
Parameter	**Units**	**Surface Water Regulation S.I. NO. 294 of 1989**			**Outfall**	**SW2**	**SW4**
		A1 Limit Value	A2 Limit Value	A3 Limit Value			
Ammoniacal Nitrogen	N mg/l	0.16	1.17	3.1	0.06	0.08	<0.021
BOD	mg/l	5	5	7	<1.5	<1.5	<1.5
Chloride	Cl mg/l	250	250	250	34	34	36
COD	mg/l	~	~	40	<3	5	<3
Electrical Conductivity	Uscm-1@25c	1	1	1	442	445	397
Oxygen Dissolved	mg/l	~	~	~			
Total Suspended Solids	mg/l	50	~	~	12	13	<5
Oils, Fats and Greases	mg/l	~	~	~	<5	<5	<5
pH Value In Water	pH Units	5.5-8.5	5.5-9	5.5-9	7.1	7.1	7.0
Temperature	Degrees C				17.8	17.9	17.9

There are no surface water emission limit values stipulated in the Waste Licence. Surface water parameters were compared to the A1, A2 and A3 Limit Values set out by the Surface Water Regulations (Statutory Instrument Number 294 of 1989). The levels A3 to A1 correspond to the increasing degree of treatment required to make the waters potable for public supply. There is no fixed limit within the Surface Water Regulations for dissolved oxygen.

4.2 Ground Water Monitoring

Schedule E.4 of the waste licence specifies three borehole locations for groundwater monitoring borehole BH1 is located along the north-eastern boundary. BH3 is located along the south-western boundary of the site and BH4 is located along the eastern boundary of the site.

The first round of ground water monitoring was scheduled for February 2005 and the second round for September 2005.
Prior to and during the sampling period, dry weather conditions prevailed. Consequently the boreholes BH1, BH3, BH4 were dry and no samples were obtained at the time of monitoring.

The second round of ground water monitoring was carried out on 15th September 2005 and the results and report are contained in appendix B.

5.0 NOISE MONITORING

5.1 Introduction

Noise measurements were taken at seven locations during on the 10th March 2005 and on the 9th September 2005 at seven locations. Noise is also monitored on a weekly basis to establish the average noise levels at the site. The noise measurements were recorded on the weekly site inspection sheet sample included in Appendix B. In accordance with waste licence 111-1, noise monitoring at the site is only required during daytime hours. There are no activities on site during night time hours. See Figure 1 and 2 for noise monitoring locations.

5.2 Existing Noise Sources

5.2.1 Site Location and Surrounding Land Uses

The site is located at Pembrokestown, Co. Wexford. The site is bounded to the north, south and west by agricultural land and to the east by a third class road. The surrounding land is predominantly agricultural in use and a significant number of domestic residences are located in the vicinity.

5.2.2 Noise Sources

The recycling operations are contained within the main recycling building on site; therefore noise sources from specific plant operations within the building are dimly audible at the boundary of the facility. The predominant noise source from the South East facility comprised the intermittent movements of delivery vehicles and from the loading, unloading and sorting of materials. Other noise sources consist of vehicular traffic associated with the adjacent tertiary road.

5.3 Data Acquisition Methods

The survey was carried out in accordance with iso 1996/1/2/3 – Acoustics- Description and Measurement of environment Noise and the Environmental Noise survey Guidance Document issued by the EPA.
Reference was also made to the guidance note issued by the Environmental Protection Agency for the assessment of noise from licensed facilities.
Broadband measurements were analysed for 30-minute intervals. Daytime measurements range was set at 30-90Db.
Daytime ⅓ octave bands were analysed periods in the set range 25Hz TO 16Hz.
Octave band analysis was carried not carried out during the night survey.

The equipment used was a Bruel & Kjaer 2250 serial no. 2463166 intergrating sound pressure meter, with selective 1:1 or 1:3 octave band measurements.
The meter was calibrated before and after the survey. And calibration was carried out on site using an acoustic calibrator at 94dBA.

The meter was fixed to a tripod 1.3 meters above ground level and the microphone was protected using a windshield. The microphone cartridge type was BK4189, serial no. 2457949 with open circuit senseitivity level of 53.2mV per Pa.

The EPA recommend that ideally, on sites of industrial nature or similar, if the total noise level from all sources is taken into account, the noise level at sensitive locations should be kept below an $L(A)_{eq}$ value of 55dB(A) by daytime (0800 to 2200) and a value of 45 dB(A) by night-time (2200 to 0800).

A *noise sensitive receptor* is defined as "any dwelling, house, hotel or hostel, health building, educational establishment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels"

Table 5.4 Noise Monitoring from weekly site inspection sheets Average Results

Monitoring Location	Average L(A)eq
N7	52.5dB(A)
N13	52.8 dB(A)
N14	66.1 dB(A)
N15	51.1dB(A)

5.4.1 Noise Measurement N7

This noise measurement N7 was measured outside the site boundary at a noise sensitive receptor located approximately 50 metres south from the entrance of the site at a neighbouring domestic residence. The SLM was set up approximately 3 metres from the front façade of a residence. This residence is located to the south of the entrance of the site.

The average $L(A)_{eq}$ 45 minute level recorded at this location was 52.5 dB(A) which is below the EPA guideline limit of 55 dB(A).

5.4.2 Noise Measurement N13

Noise measurement N13 was measured approximately 70 m from the main recycling building at the northern boundary of the facility.

The average $L(A)_{eq}$ 45 minute level recorded at this location was 52.8 dB(A) which is below the EPA guideline limit of 55 dB(A).

5.4.3 Noise Measurement N14

Noise measurement N14 was measured approximately 15m southeast of the main recycling building. The predominant noise source recorded at this location was the regular movement of vehicles around the site, including reverse alarms, and intermittent noise from the loading, unloading and sorting of material within the main building.

The average $L(A)_{eq}$ 30 minute level recorded at this location was 66.1 dB(A) which exceeds the EPA guideline limit of 55 dB(A).

5.4.4 Noise Measurement N15

This measurement was carried out at a location approximately 26m south east of the main recycling building. The noise sources recorded from this location include the loading, unloading and general sorting of material within the main recycling building.

The average $L(A)_{eq}$ 45 minute level recorded at this location was 51.1 dB(A). which is below the EPA guideline limit of 55 dB(A).

5.5 SUMMARY

Noise measurements recorded at monitoring location N7, N13 and N15 are within the EPA guideline value of an $L(A)_{eq}$ value of 55dB(A) by daytime (0800 to 2200). The proximity of noise monitoring location N14 to the entrance of main waste recycling area contributed to the elevated noise level at N14. Noise from the recycling facility is reduced at the boundary of the site.

4.0 ENVIRONMENTAL MONITORING AND EMISSION DATA

Monitoring of dust, surface water and noise was carried out during 2005. Original laboratory results for dust are presented in Appendix A. Original laboratory results for surface water and noise monitoring is presented in Appendix B.

4.1 Dust

4.1.1 Monitoring Locations

Dust monitoring was carried out at five dust monitoring locations (D1, D3, D4, D5 and D6) in accordance with Schedule F of Waste Licence 111-1. Monitoring locations are shown on Figure 1.

4.1.2 Methods

In order to quantify the dust deposition emissions within the vicinity of the site five dust gauges were installed. Bergerhoff gauges were used as specified in the German Institute VD1 2119 document entitled —Measurement of Dustfall Using the Bergerhoff (Standard) Method and Euro environmental standard operating procedure for dustfall determination (SOP No. EM106)The dust gauges were set up so that the glass containers were approximately 1.5m above ground. There were no houses or buildings located in close proximity to the monitoring locations.
Dust monitoring was carried out on four occasion's during 2005 as specified in Schedule F of WL111-1.

Sampling was conducted from the 2nd March to 31st March 2005.
Sampling was conducted from the 6th May to 7th June 2005.
Sampling was conducted from the 1st September to 30th September 2005.
Sampling was conducted from the 30th September to 4th November 2005.

4.1.3 Dust Monitoring Results

Dust monitoring results are outlined in Table 4.1 below. Original laboratory results for dust monitoring are presented in Appendix A.

Dust monitoring results are outlined in Table 4.1 below. Original laboratory results for dust monitoring are presented in Appendix A.

Tables 4.1 Dust Monitoring Results 2005

The quantity of dustfall is determined as the difference between the gross weight of the evaporating dish and the final weight of the evaporating dish (containing the residue). The quantity is then converted into general reference quantities (mg.m².d¹) using the following formula.

$$X = \frac{G}{F.T}$$

WHERE: X= Dustfall in g m²d¹
F= Collecting Surface (m2)
G= Mass of Dust IN (g)
T= Sample Duration (Days)

1st Quarter

Monitoring Location	Mass of Dust (g)	Collecting Surface (m2)	Sample Duration (Days)	Dustfall g m²d¹	Dustfall mg m²d¹
D1	0.0317	0.00607	29	0.1800	180.00
D3	0.0309	0.00607	29	0.1756	175.60
D4	0.0162	0.00607	29	0.0920	92.0
D5	0.0175	0.00607	29	0.0994	99.40
D6	0.0400	0.00607	29	0.2272	227.20

2nd Quarter

Monitoring Location	Mass of Dust (g)	Collecting Surface (m2)	Sample Duration (Days)	Dustfall g m²d¹	Dustfall mg m²d¹
D1	0.0177	0.00607	32	0.0911	91.124
D3	0.0049	0.00607	32	0.0252	25.226
D4	0.0122	0.00607	32	0.0628	62.808
D5	0.0106	0.00607	32	0.0545	54.571
D6	0.0102	0.00607	32	0.0525	52.512

3rd Quarter

Monitoring Location	Mass of Dust (g)	Collecting Surface (m2)	Sample Duration (Days)	Dustfall g m²d¹	Dustfall mg m²d¹
D1	0.0328	0.00607	30	0.1801	180.1
D3	0.1343	0.00607	30	0.7375	**737.5**
D4	0.0931	0.00607	30	0.5113	**511.3**
D5	0.0302	0.00607	30	0.1658	165.8
D6	0.1934	0.00607	30	1.0621	**1062.1**

4th Quarter

Monitoring Location	Mass of Dust (g)	Collecting Surface (m2)	Sample Duration (Days)	Dustfall g m²d¹	Dustfall mg m²d¹
D1	0.0063	0.00607	36	0.0288	28.8
D3	0.0209	0.00607	36	0.0956	95.6
D4	0.0158	0.00607	36	0.0723	72.3
D5	*	0.00607	36	*	*
D6	0.0647	0.00607	36	0.2961	296.1

The results show that the dust level determined at all monitoring locations did not exceed the emission limit value of 350 mg/m /day as specified in Schedule G of the Waste Licence.

4.1.4 Summary

Dust monitoring for 2005 did conform to the emission limit value of 350 mg/m /day as specified in Schedule G of the waste licence, except for quarter 3 were the limit was exceeded at monitoring point D3, D4 and D6. An incident report form was filled out for this occurrence and was forwarded to the Agency on the 14th October 2005.

6.0 RESOURCES AND ENERGY CONSUMPTION

Estimates of fuel and other products used at the facility from January 2005 to December 2005 related to tonnage handled are detailed below.

- Approximately 25231.12 litres of marked fuel oil was used.
- Approximately 198,00.00 litres of unmarked fuel oil was used.
- € 9548.31 of electricity was used.
- 900 litres of hydraulic oil.
- 600 litres of engine oil.
- 50 litres of transmission oil.
- 30 litres of gear oil.
- An estimated 160 litres of anti-freeze was used.
- The Local Authority does not currently meter the quantity of water used on site as water well located off-site supplies the main water.

7.0 DEVELOPMENT WORKS DURING THE YEAR 2005

South East Recycling is currently providing all their household customers with a two-bin collection system. One bin is used for general waste and a second bin for recyclables only. This system is currently in operation on all collection routes and the system aims to increase recovery rates at the facility and divert a greater quantity of household waste from landfill.

The timber chipping plant has not been in use this year as all timber is now shipped out to licensed facilities without been shredded.

DEVELOPMENT WORKS FOR THE YEAR 2006

Proposed developments for the coming year 2006 include an application to the Environmental Protection Agency for a review of waste licence 111-1.
This application at the time of this annual report is complete except for the company is waiting for a response from Wexford County Council as whether the site will have to carry out a further E.I.S.
If the council provide the company with a letter that the E.I.S is not required the application will be lodged immediately upon receipt from the local authority.

The glass processing machine that is no longer in use is to be decommissioned and sold early in 2006.
This in turn when removed following the decommission procedure and shipped off site will generate a considerable amount of storage and waste and recyclable handling space within the recycling/ transfer building.

To relocate the glass storage bays to the side of the recycling building as per the application made to Wexford County Council and at the moment with An Board Pleanala.
The drawings and specifications for the relocation of the bays will be submitted to the Agency for approval once the facility has received its decision form An Board Pleanala.

8.0 PROCEDURES

The Waste Procedures Manual was developed in 2002. A list of procedures developed during 2005 and reviewed and which are currently used and will continue to be followed on site, are detailed below.

Title of Procedures included in the Waste Procedures Manual

Waste Acceptance Procedure – On-site
Waste Acceptance Procedure – Off-site
Unacceptable Waste Acceptance Procedure – Off-site
Unacceptable Waste Acceptance Procedure – On-site
Procedure to Control Waste Wood Quality
Procedure for Reducing Noise from on-site Vehicles
Procedure for dampening down yard area
Sprinkler Usage Report sheet
Emergence Response Procedure

9.0 SCHEDULE OF ENVIRONMENTAL OBJECTIVES AND TARGETS

Table 9.1 below details the 2004 objectives and targets for South East Recycling.

Table 9.1 Objectives and Targets for 2005

No.	Objectives and Targets for 2005
1	The relocation of the office to an area beside the weighbridge, this work is due to be completed by the end of March 2005
2	Fencing/ railing will be installed around the engine oil, hydraulic and waste oil tanks in order to prevent potential damage to the tanks as a result of on site vehicle and machinery movements
3	A firewater retention assessment will be carried out at the facility in 2005
4	All drains, drainage grids, manhole covers and discharge gullies will be appropriately marked. Those relating to foul water will be labelled with a red square and those relating to surface water will be labelled with a blue triangle. All noise, surface water and dust monitoring locations are appropriately labelled. Signage at these locations will be enlarged for easier visibility.

Objectives and Targets for 2006

No.	Objectives and Targets for 2006
1	Glass loading procedure. The procedure for the loading of glass has been altered to help reduce noise at the facility. Glass will now only be loaded from Monday to Friday and not on Saturday. It has been observed that the biggest noise impact occurs when the first load of glass is deposited in the empty metal container. This will now be carried out at the front of the recycling building.
2	To maintain the level of daily site inspections for the site as submitted in December 2005.
3	To reduce the offsite vehicle movements of waste and recyclables in relation to tonnages handled by using more ejector trailers for the transport of the materials This reduces the number of traffic movements to and from the site (typically one movement as against three to four movements prior to this) and therefore reduces noise dust and energy usage.
4	To maintain the use of the sprinkler system and the usage record sheet that was introduced late in 2005 as to record the times that the sprinkling system was used on site. And to maintain the dust levels that were recorded by Euro Environmental Ltd in the last quarter of 2005 since the procedure was introduced.
5	To submit the waste licence review to the Agency early in 2006 subject to approval from the local authority.
6	To reduce energy consumption on site in relation to tonnage handled

10.0 INCIDENTS AND COMPLAINTS

There were 4 complaints received during the year of operation 2005. One of these complaints was in relation to noise from the loading of glass. A further two complaints were in relation to the out of hours operation of the site and two complaints regarding odour. Details of these complaints and corrective action taken were recorded in the complaints log and are included in Appendix D.

There were two incidents in 2005 one was for a surface water drainage failure in October and the other was for an elevated dust level in September.
Incident report forms were sent to the Agency for the above incidents on the 29th October and the 14th October 2005.

11.0 FINANCIAL PROVISION

The South East Recycling Ltd. insurance policy provides a total indemnity limit of € 6.4 million for any one incident. In terms of environmental issues the indemnity applies to accidental pollution or contamination caused as a result of activities at the facility. The environmental liabilities risk assessment identified that the main risk to the environment would be in the form of an oil spill from the main oil/diesel tank gaining access to Bishop's Water River via the surface water drainage system.

12.0 MANAGEMENT AND STAFFING STRUCTURE

The current management structure at the South East Recycling Ltd facility is detailed in Table 11.1 below.

Table 11.1 Management and Staffing Structure

Name	Position	Responsibilities	Experience	Replacement
Martin Morrissey	Managing Director	Overall management of site and companies group	11 years experience	Michael Murphy
Michael Murphy	Financial Director	Group Financial Controller Accountant	7 years experience	Martin Morrissey
Michael Quirke	General Manager	Overall management of site and business	18 years experience	Michael Murphy or John Mernagh
John Mernagh	Facilities Manager	Management of site operations	19 years experience FAS Waste Management Training programme	Michael Quirke or Andrew Rinkulis
Robert Flynn	Systems and Operations	Group Waste Management Reports and Systems	10 years experience	Martina Fitzharris or John Mernagh
Mary Kehoe	Office Administration	Administration and Accounts	7 years experience	Martina Fitzharris or Marie Kavanagh
Martina Fitzharris	Office Administrator	Office Administration	6 years experience	Mary Kehoe or Sinead O Connor
Sinead O Connor	Office Administrator	Office Administration	3 years experience	Martina Fitzharris or Mary Kehoe
Andrew Hirinkulis	Transfer Station Foreman	Management of operations of transfer station	5 years experience	Martin Kavanagh
Martin Kavanagh	Site Foreman	General supervision of staff and Recycling Operations	6 years experience	Andrew Hirinkulis

13.0 PROGRAMME FOR PUBLIC INFORMATION

All information and correspondence supplied to the EPA (other than commercially sensitive information) and received from the EPA, is available to the public to view at the facility. This includes a copy of the waste licence, all reports, monitoring results and interpretations required by the licence and other correspondence between the EPA and the facility. Any member of the public may view the information between the hours of 10.00 and 16.00 and by appointment only, at the facility.

South East Recycling Co. Ltd

Weekly Site Inspection Report

Facility Area	Observations	Action Required	Comments
Entrance Area			
Weighbridge Area			
Main Yard Area			
Lubricating Oil Bunds			
Waste Oil Bund			
Main Fuel Storage Bund			
Vehicle Wash Area			
C&D Storage Area			
Waste Quarantine Area			
Main Recycling Building			
Skip Storage Area			
Timber Storage Area			
Front Glass Storage Area			
Rear Glass Storage Area			
Surface Water Silt Traps			
Oil Interceptor At Wash Area			
Oil Interceptor At Foul Water Pump Station			
Oil Interceptor At Surface Water Discharge			
Odour			
Vermin Traps			
High Level Foul Water Alarm			
Suface Water Monitoring Points SW 2 & Outfall			
Suface Water Monitoring Points SW 3 & 4			
Emergency Spill Kit			

Noise monitoring	dba	General Site Comments
Main Recycling Building N14		
Brownes Boundary N7		
South East Boundary N15		
North East Boundary N13		
Inspected By:		
Date:		

South East Recycling Co. Ltd

Daily Site Inspection Report

Facility Area	Observations	Action Required	Comments
External Roadway			
Site Boundary			
Entrance Area			
Weighbridge Area			
Main Office Area/ Reception			
Emergency Spill Kit			
Main Yard Area			
Yard Staff Canteen Area			
Trailer Parking Area			
Waste Oil Bund			
Main Fuel Storage Bund			
Vehicle Wash Area			
C&D Storage Area			
Waste Quarantine Area			
Main Recycling Building			
Rear Skip Storage Area			
Timber Storage Area			
Rear Trailer Loading Area			
Front Glass Storage Area			
Rear Glass Storage Area			
Compound Skip Storage Area			
Oil Interceptor At Vehicle Wash Area			
Oil Interceptor At Foul Water Pump Station			
Oil Interceptor At Surface Water Discharge			
Odour			
High Level Foul Water Alarm			

Inspected By:	Date:
Other Comments:	

Appendix C

RECORD OF TELEPHONE COMPLAINT

Waste licence Reg. No: 111-1 Date: 8th March 2005

Facility Name: Southeast Reycling Co. Ltd., South East Recycling Centre Time: 12:25

Complainant: Mrs. Katherine Browne

Address: Carrig Bawn, Pembrokestown, Wexford, Co. Wexford

Telephone Number: 053-43514

Complaint: Mrs. Browne rang to complain regarding excessive noise from the loading of bottle glass into a large 40ft articulated trailer at the facility and stated that the noise from this operation at the facility is an ongoing problem. She also stated that her understanding was that as a result of the An Bord Pleanala ruling on planning, the bottle bays shouldn't be there at all.

Has the complainant been requested to put this complaint in writing to the Agency?	No
Has the complainant been informed that this correspondence will go on public file?	Yes
Has the licensee been informed of this complaint by telephone?	Yes

Comment: Paul O'Carrol, General Manager for the facility was notified and asked to respond in relation to the complaint.

Complaint taken by: Damien Masterson

COMPLAINT REPORT FORM

DATE OF COMPLAINT: 08/03/2005

TIME OF COMPLAINT: 2.35 pm

NAME & ADDRESS OF COMPLAINANT:
Mr. Bernard Browne
Whiterockhill
Wexford

NATURE OF COMPLAINT:

Mr. Browne complained of a loud noise form the facility regarding the loading of glass into an articulated truck.

ACTION TAKEN AS A RESULT OF COMPLAINT:
we spoke to the haulier and he had parked his vehicle in the wrong location for loading glass in the yard. The haulier has been instructed to inform all his staff that this is not to occur again.
All the relevant facility staff have been also informed that the vehicle loading is only to be carried out in the designated loading area.

TYPE OF RESPONSE TO COMPLAINT:

Mr. Paul O Carroll & Mr. Arthur Robb from S.E.R spoke to Mr. Browne regarding the above

SIGNED: _____

DATE: 08/03/2005

RECORD OF TELEPHONE COMPLAINT

Waste licence Reg. No: 111-1

Date: 16/05/2005

Facility Name: Southeast Recycling Co. Ltd., South East Recycling Centre

Time: 12:40

Complainant: Mr Beamard Browne

Address: Pembrokestown, Whiterock hill, Wexford

Telephone Number: 053 43514

Complaint: Odour from the site on morning on the 16/05/2005. Smell similar to domestic waste. Operating out of hours. The complainant notified the Agency that the plant is operating to between 7 and 8 o'clock in the evening on a regular basis. Also trucks are leaving the site at 7 o'clock in the morning.
Also dust can be problematic when the wind is blowing towards his dwelling.

Has the complainant been requested to put this complaint in writing to the Agency? No

Has the complainant been informed that this correspondence will go on public file? Yes

Has the licensee been informed of this complaint by telephone? Yes

Comment/Action to be taken by licensee: John Mernagh has been notified and asked to write in to address the complaints

Complaint taken by: Noel Byrne

COMPLAINT REPORT FORM

DATE OF COMPLAINT: 16/05/2005

TIME OF COMPLAINT: 12.40 pm

NAME & ADDRESS OF COMPLAINANT:
Mr. Bernard Browne
Whiterockhill
Wexford

NATURE OF COMPLAINT:

Odour from the site on the morning of 16/5/05, odour similar to that of domestic waste. Operating out of hours, that the plant is operating between 7 and 8 o'clock in the evening on a regular basis.
That trucks are leaving the facility at 7 o' clock in the morning.
Also dust can be problomatic when the wind is blowing towards his dwelling.

ACTION TAKEN AS A RESULT OF COMPLAINT:

the odour that was from the site was from a empty skip that came on site from another one of the companies sites.The container was from a meat processing factory. This container was de-odourised and disinfected and removed immediately.

The operating hours for the facility are now in line as what is stated in the waste licence.
All the relevant site staff have been given a procedure for the damping down of the facilities hardstanding areas.

TYPE OF RESPONSE TO COMPLAINT:

We tried to contact Mr. Browne by telephone but ther was no answer.
the haulierthat was arriving on site to leave in empty containers and trailers hass beeen informed of the facility operating hours, and has been told not to arrive at the site outside these hours.
the vehicles that leave the facility at 7am each morning Mon to Fri are 3 of our own collection vehicles. They park in the main drive way at the entrance overnight as not to cause any disturbance in the morning when they leave the site. These vehicles do not return to site until after the site opening hours.

SIGNED: _____

DATE: 18/05/2005

COMPLAINT REPORT FORM

DATE OF COMPLAINT: 19/07/2005

TIME OF COMPLAINT: 15.07

NAME & ADDRESS OF COMPLAINANT:
Mr. Bernard Browne
Whiterockhill
Wexford

NATURE OF COMPLAINT:

Mr. Browne complained of the facility operating outdide of hours. On the 18/7/2005 he obsereved the facility operating at 19.00, and on the morning of the 19/7/05 he obsereved a truck leaving the facility yard at 5.45 am.

ACTION TAKEN AS A RESULT OF COMPLAINT:

On the 18/7/05 2 men stayed behind after operations had finishe at 5.40 pm. To clean and tidy up the timber storage area of the facility. All staff have been informed that all site operations must be finished by 6.30 pm and that all staff should be off the premises by that time.

The truck that left the facility on the 19/7/05 at 5.45 am was one of our commercial refuse collection vehicles This truck only departs the facility on Tuesday & Thursday at this time. All other days of the week the trucks depart at 7.00am. These times have been used for the past 15 years and the company has never received a complaint about the starting times or the vehicles leaving the facility causing a nusicance from any of the neighbours on whiterockhill or Pembrokestown.

TYPE OF RESPONSE TO COMPLAINT:

Mr. Paul O Carroll & Mr. John Mernagh tried to contact Mr. Browne by telephone on the 20/7/05 after receiving the complaint from the Agency.
There was no answer from the phone.Mr.. Mernagh called to the house after the phone call and there was no answer from the house.

SIGNED: _____.

DATE: 21/07/2005

COMPLAINT REPORT FORM

DATE OF COMPLAINT: 15/07/2005

TIME OF COMPLAINT: 2.35 pm

NAME & ADDRESS OF COMPLAINANT:
Mr. Martyn Lewis
Whiterockhill
Wexford

NATURE OF COMPLAINT:

Mr. Lewis informed the E.P.A that there was a odour emmitting from our facility.

ACTION TAKEN AS A RESULT OF COMPLAINT:

Mr. Brendan wall was accompanied by John Mernagh along the adjacent road of the facility and the odour was very minimal in certain areas along the road. Mr. Lewis is the only neighbour that complained about this very faint odour. We belive the odour was the result of some decoposed food waste that arrived on site in a skip container. This material was desinfected and sprayed with a odour disperser immediately and the material was removed from the site within 2 hours on the next availble load that was going to landfill.

TYPE OF RESPONSE TO COMPLAINT:

Mr. Paul O Carroll spoke to Mr. Lewis regarding the above complaint.

SIGNED: _____

DATE: 15/07/2005

Appendix D

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

INCIDENT REPORT FORM

EXCESS EMMISIONS, MONITORING EQUIPMENT FAILURE AND MISCELLANEOUS REPORTING FORM	Facility Name: South East Recycling Co.
	Address: Carrigbawn, Pembrokestown, Wexford.
	Licence No. 111-1
	Date: 14-10-2005

This form is to be used to report the following:

- Excess Emissions i.e. the amount of emissions exceeds that of an emission standard, Licence limit, or other applicable requirement.
- Failure of emission monitoring or other compliance monitoring.
- Miscellaneous incidents of possible non-compliance.

General Information
Indicate which of the following this form is being used to report.

Excess Emissions:	Excess Dust Emission
Failure of Equipment:	
Miscellaneous incident of possible non compliance:	

Period covered by this report:
From: 01-09-2005 To: 30-09-2005

Name and Phone Number of person to contact for questions regarding this report.

Name: Mr. John Mernagh		Company: As above
Title: Environmental Manager		
Phone: 053-42295	Fax: 053-46000	Mobile: 086-2808386

Failure of Equipment
Identification of monitoring Equipment which was not functional, including the monitored parameter and the emission unit(s)

Date and Time of Failure:

Date: 14-10-05
Time: approx 12.00pm
Duration of Equipment failure:
Description of suspected or known failure of equipment or emission: Excess Dust emission
Description of corrective action taken at time of equipment failure:
Description of subsequent action taken to prevent future failure: Yard damping down and sweeping procedure are to be reviewed to prevent a re-accurance.

Any additional pertinent information. The monitoring point D6 is located in the staff car park and when the sampling jar was removed for sampling it contained a very high amount of solid vegetation from the overhead trees and vegetation. Monitoring points D4, D6 are located in the field adjacent to the facility; at the time of dust monitoring the company was removing C&D material that was on site and also clearing the site of all scrap vehicles and machinery. During this process it generated dust with vehicles moving in and out of the field while it was being cleared.
Signature:
Printed Name: John Mernagh
Title Environmental Manager
Date: 14-10-2005

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

INCIDENT REPORT FORM

EXCESS EMMISIONS, MONITORING EQUIPMENT FAILURE AND MISCELLANEOUS REPORTING FORM	Facility Name: South East Recycling Co. Address: Carrigbawn, Pembrokestown, Wexford. Licence No. 111-1 Date: 27-10-2005

This form is to be used to report the following:

- Excess Emissions i.e. the amount of emissions exceeds that of an emission standard, Licence limit, or other applicable requirement.
- Failure of emission monitoring or other compliance monitoring.
- Miscellaneous incidents of possible non-compliance.

General Information
Indicate which of the following this form is being used to report.
Excess Emissions:
Failure of Equipment: Electrical fault at foul water pumping station
Miscellaneous incident of possible non compliance:

Period covered by this report: From: 27-10-2005 To:28-10-2005
Name and Phone Number of person to contact for questions regarding this report.

Name: Mr. John Mernagh		Company: As above
Title:		
Phone: 053-42295	Fax: 053-46000	Mobile: 086-2808386

Failure of Equipment
Identification of monitoring Equipment which was not functional, including the monitored parameter and the emission unit(s)

Date and Time of Failure:

Date: 27-10-2005
Time: approx 2.00pm
Duration of Equipment failure: 19.5 hours
Description of suspected or known failure of equipment: Electrical fault with the foul water pump
Description of corrective action taken at time of equipment failure: A.B.S Pumps arrived on site at 8.00am on the 28/10/05and the fault was fixed by 9.30 am.
Description of subsequent action taken to prevent future failure: A.B.S Pumps called to the site the next day again to monitor the pumps to make sure that all systems were o.k. and to check all alarms at different time intervals during does days. The pumping station is at present inspected once per week, as a result of this incident it is proposed to monitor at least twice per week.

Any additional pertinent information. Due to very heavy rainfall over the previous days nobody had noticed the increasing level of water in that area of the facility At the time of failure Landfeed Environmental removed all surface water from the effected area and tankered it to Athy Waste Water treatment plant at approx 17.30pm, when the fault was fixed and the pump was running the surface water level could been seen visibly starting to decrease in volume, to get the effected area cleared of all water as quick as possible another tanker load was removed the following morning at 8 am on the 28/10/2005 another tanker load was removed at 15.30 pm. Another inspection took place on 29/10/05 and the inspection revealed that all drains were unblocked and flowing freely. Another inspection was carried out on 29/10/05 later in the day and showed that the foul water system was working properly.
Signature:
Printed Name: John Mernagh
Title Environmental Manager
Date: 29-10-2005

Appendix E

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Procedure To Control Noise Emissions While Loading Waste Glass

1.0 Purpose:

To ensure the correct handling of waste glass on site and the correct handling of glass while loading vehicle's or trailers for the movement of glass offsite while not causing excessive noise emissions/nuisances.

2.0 Responsibility:

The site manager and the site foreman and loading machine operatives are responsible for the implementation of this procedure.

3.0 Procedure:

3.1 Vehicles or trailers will only be accepted at the facility after 10.00 a.m for loading of glass material. Vehicles will not under any circumstances be accepted on site after 4.30 p.m. There will be no loading of glass material on Saturdays- no exceptions. New loading machinery has been purchased that is approved as a class 4 euro engine that effectively the machine runs with a lot less emissions including noise than the previous machines that where used.

3.2 All vehicles will when arriving on site proceed to the weighbridge to be weighed in, the will inform the weighbridge operative on the nature of the load to be removed from the site as so all details can be recorded on the weighbridge accurately.

3.3 The driver of the vehicle shall then proceed into the main yard and report to the site foreman for parking and loading instructions.

3.4 All vehicles will now be loaded at the front of the main recycling (previously loaded at the rear of the recycling building by glass storage bays) building, as this will effectively reduce the noise emissions at the boundary of the nearby neighbours house caused by the process of loading glass.

3.5 The driver of the vehicle will at all times remain in the cab of his lorry while the trailer is been loaded. If for any reason he has to leave his vehicle he must comply with the companys policy on wearing personal protective equipment.

3.6 Once the loading has been completed the driver shall proceed to the weighbridge to complete the weighing and then proceed to the site office for documentation for the relevant load.

3.7 On occasions when practicable and when the vehicle is been loaded with glass the facility manager will conduct his own noise monitoring as to make sure that the noise limit is not exceeded while the glass is been loaded into vehicles or trailers.

3.8 This procedure is to be reviewed at least on an annual basis and recorded on the document control procedure log.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Procedure To Control Waste Wood Quality

1.0 Purpose:

To ensure the correct handling of collected/delivered wood on-site.

2.0 Responsibility:

The site manager and the operatives in the transfer station building are responsible for the implementation of this procedure.

3.0 Procedure:

3.1 Once the load has been tipped on the floor of the transfer station/recycling building it is inspected.

3.2 The operatives segregate the non-contaminated wood from the contaminated wood either by the use of the mechanical track machine and grab or sort it manually by hand for the smaller pieces of wood.

3.3 Any wood contaminated with creosote, oily material, paint, varnish, plastic coatings or similar substances shall be kept aside and transferred to a licensed or permitted recovery operation or landfill.

3.4 Non-contaminated wood is transferred to licensed or permitted facilities as agreed by the agency.

3.5 Quantities of wood dispatched to licensed or permitted facilities are recorded in the daily waste record sheets, which are kept on site.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Awareness & Training Procedure

1.0 Purpose:

To ensure that all staff are provide with adequate training and are aware of the procedures in place to prevent damage to the environment.

2.0 Responsibility:

The site General Manager has overall responsibility for awareness and training. He/ she will delegate work as required.

3.0 Procedure:

3.1 All Staff

All staff will be given induction training and a copy of the employee handbook when they join the company. This training will be provide by the General Manager or the Operations Manager and will include the site rules and general operations of the site. All staff will be trained in the emergency response procedure for fire fighting.

Induction training for fire fighting will be provided by site staff. This will include training in the location of all fire alarm switches, telephones and emergency phone numbers, extinguishers, fire hoses and extinguishing small fires. Fire safety training courses will be provided every 12 months by an external fire safety consultancy company.

Larry Browne fire Protection Company has been appointed as fire prevention consultants and will train all staff in the use of fire extinguishers, fire hoses and fire fighting techniques.

Yard staff will be trained in emergency response procedures for a leak or liquid spillage (typically oil or lechate). This will include training in the location, operation of any cut off valves, absorbent mats and booms. This comes under the heading of

environmental training. Other environmental training will consist of the company's waste acceptance, un-acceptable waste acceptance handling procedures.
The general manager and or suitably experienced personnel will provide training in this regard.

3.2 Truck & Plant Drivers.

All company Truck and Plant drivers are required to hold a full and proper driving licence. Each driver is informed of the site rules and the general operation of the site and is given a copy of the employee handbook when they start employment. Each driver will be given a copy and informed of the company's waste acceptance, un-acceptable waste acceptance handling procedures.
As the drivers are the first company employee to see the waste at time of collection they will be required to be competent at carrying out a visual assessment of the waste to assess that it is acceptable waste and conforms to that described on the docket and the waste acceptance procedure. Training in these aspects of their duties will be carried out by the relevant personnel.

A site notice will inform any non-company personnel (waste delivery or recyclables) that they must report to the site office. The operations manager will explain the site rules and direct them to the relevant area.

3.3 Health and Safety

A first aid treatment kit is kept and stored in the main office. All company vehicles are also required to carry a first aid kit. A copy of the company's health and safety statement is also kept in the main office area and at reception.

3.4 Records.

Records of employee training will be kept on file in the main office. A training matrix form has been devised to identify any gaps in training. Staff members will sign the matrix form as and when they receive the appropriate training.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Waste Acceptance Procedure –Off Site

1.0 Purpose:

To ensure that that waste is accepted handled in a safe manner and in accordance with E.P.A Waste Licence 111-1. And waste collection Permit number WCP/KK/053/02.

2.0 Responsibility:

The transfer station foreman and vehicle drivers are responsible for the implementation of this procedure.

3.0 Procedure:

3.1 At the initial tendering stage for any contract, the transfer station foreman asks the customer the type of waste to be handled. The transfer station foreman also carries out a waste classification report for the particular waste load. This classification is made following a visual inspection. The transfer station foreman will also explain to the customer that only dry, non-hazardous waste will be accepted as per the facilities waste acceptance procedure.

3.2 At each waste pick-up the driver will ensure, by visual inspection that he/she is collecting only dry non-hazardous waste.

3.3 If the waste is found to be unacceptable the driver will fill out a docket detailing the reason/s for rejection. The customer must sign the docket. In such instances the waste will not be picked up.

3.4 If the waste is found to be acceptable the driver fills out a three part collection docket which details

- The date
- The Customer
- The location
- The bin/container type
- Drivers name
- Any Miscellaneous comments

The customer signs the docket and is used as proof of collection, the customer retains one copy.

3.5 The driver collects the load and then returns to the site and then follows the waste acceptance on-site procedure.

3.6 The driver returns the two remaining copies of the docket to the office for invoicing purposes.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Un-Acceptable Waste Procedure –On Site

1.0 Purpose:

To ensure that unacceptable waste is handled and disposed of in a safe manner and in accordance with E.P.A Waste Licence 111-1.

2.0 Responsibility:

The transfer station foreman and weighbridge operator is responsible for the implementation of this procedure.

3.0 Procedure:

3.1 The transfer station foreman will identify any unacceptable waste as it is being inspected during tipping at the facility.

Typical unacceptable waste types include:

- Batteries
- Asbestos
- Waste Hydrocarbons
- Oil

3.2 If unloaded the unacceptable waste must be handled using appropriate PPE i.e. gloves, masks, protective clothing.

3.3 On identification the first option will be to reload this material onto the unloading vehicle and return it to the producer.

3.4 The transfer station foreman will inform the Facility Manager or General Manager who will contact the customer/producer of the un-acceptable waste and seek an explanation. Such phone calls will be recorded on the unacceptable waste form and register and kept in the management office detailing the

- Date and Time
- Vehicle Registration Number
- The Name of the Carrier
- Name of the Producer/Collector of the waste as appropriate
- Weight (tonnes) Gross, Tare and Nett Weight
- Description of the Waste (including the appropriate E.W.C Code)
- Name of the Person Checking the Load
- Statement of whether the Waste was Accepted or Rejected
- In the Event of Waste Departing the Facility, the agreed destination of the Load

3.5 If unacceptable waste is unloaded at the site and cannot be immediately returned to the producer, it will be diverted to the Waste Quarantine area located inside the transfer station. From here it will be transported to an appropriate facility meeting the requirements of waste quarantine transport.

3.6 Records of unacceptable waste will be recorded on the Unacceptable Waste Form and Register, and kept on file in the management office.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Procedure For Reducing On-Site Vehicle Noise

1.0 Purpose:

To ensure that noise levels from on-site vehicles is not excessive.

2.0 Responsibility:

The transfer station foreman is responsible for the implementation of this procedure.

3.0 Procedure:

3.1 All site vehicles will observe a maximum on-site speed of 5 m.p.h

3.2 There should be no excessive revving of vehicle or plant in the facility yard

3.3 When not in use, vehicles should not be left idiling

3.4 The use of horns should only be used in emergency situations or when warranted for health and safety reasons

3.5 Site machinery should not be used outside the time specified in the waste licence

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Waste Acceptance Procedure – On Site

1.0 Purpose:

To ensure that the waste is accepted in accordance with E.P.A Waste Licence 111-1.

2.0 Responsibility:

The transfer station foreman, Facility Manager, General Manager and the weighbridge operator are responsible for the implementation of this procedure. They will have appropriate training in waste handling and weighbridge operations.

3.0 Procedure:

3.1 Prior to picking up a skip or container the driver will ensure that it contains only acceptable waste. (See table 3.4 included in this procedure).

3.2 On arrival at the facility all vehicle drivers will go straight to the weighbridge where they will report to the weighbridge operator. The weighbridge operator completes the weighbridge document.

The Waste acceptance form is to include the following details:

- Date and Time
- Vehicle Registration Number
- The Name of the Carrier/ Haulier
- Name of the Producer/Collector of the waste as appropriate
- Weight (tonnes) Gross, Tare and Nett Weight
- Description of the Waste (including the appropriate E.W.C Code)
- Name of the Person(s) Checking & inspecting the Load
- Statement of whether the Waste was Accepted or Rejected
- In the Event of Waste Departing the Facility, the correct appropriate destination of the Load

3.3 All vehicles that weigh in or out using the site weighbridge must be used to complete each weighbridge transaction for that appropriate load that is either entering or departing the facility.

i.e. *(there is to be no weighing a vehicle or trailer with one vehicle type and weighing out with a different vehicle Type or weight difference).*

By implementing the above it provides for accurate weights for loads arriving and departing the facility.

This will be strictly enforced by site management as it would cause a non-compliance under condition no. 3.10 of the site waste licence.

Table 3.4 Non-Hazardous Waste Types

Inert or Inactive Waste	Accepted
Subsoil	Yes
Topsoil	Yes
Brickwork	Yes
Stone, Rock and Slate	Yes
Clay	Yes
Natural Sand	Yes
Concrete	Yes
Pottery and China	No
Solid road plannings, solid Tarmacadam, soils Asphalt	Yes

Biodegradable Waste	Accepted
Wood and wood products	Yes
Paper and Paper products	Yes
Vegetable Matter	Yes
Non-Infectious Health Care waste	No
Natural and Manmade Fibres	No
Road Sweepings	Yes
Gully Emptyings	No
Septic Tank Waste	No
Silt and Dredgings	No
Boiler Scale	No
Ash & Cinders	No
Food Stuffs	Yes
Oil/Water mixtures	No
Vegetable Oil	No
Fat, Waxes or Greases	No
Animal Excrement	No
Animal Blood	No

Other Wastes	Accepted
Plasterboard and Plaster	Yes
Glass	Yes
Solid, Fully Polymerised Plastics	Yes
Solid Rubber (excluding Tyres)	Yes
Empty Containers	Yes
Non-Hazardous Ferrous & Non-Ferrous Metals	Yes

3.5 Once the load is accepted, the weighbridge operator gives the driver instructions to proceed to the appropriate site personnel for unloading and waste acceptance inspection.

3.6 The load is tipped out onto the floor in the transfer/Recycling Building and the Transfer station foreman visually inspects the load to insure that it is acceptable with the conditions of the waste acceptance procedure and the facility waste licence.

3.7 Cardboard or plastic is segregated and placed into the baler in the Transfer Station Building. All other recyclable material is placed in its appropriate storage area inside the transfer/recycling building.

3.8 All waste that is non-recyclable at this facility is transferred into ejector Trailers by way of the tack loading machine and grab or by the mechanical wheeled loader before been sent off site to an approved licensed or permitted landfill or recovery facilities.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Procedure for Damping Down Yard

1.0 Purpose:

To ensure that dust levels on-site are kept to a minimum

2.0 Responsibility:

The transfer station foreman is responsible for the implementation of this procedure.

3.0 Procedure:

3.1 The yard should be regularly swept either mechanically *(at least 2 times per day mechanically)* and manually in areas not accessible by the mechanical sweeper, this is to reduce the possibility of wind blow dust.

3.2 During periods of dry weather, the yard should be dampened down regularly but not so much that mud is created.

3.3 A record of the usage of the sprinkler system is to be kept in the "Sprinkler Usage file" in the main facility office, this is to be updated daily.

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Procedure for Sweeping Premises

1.0 Purpose:

To ensure that dust and small litter levels on-site are kept to a minimum

2.0 Responsibility:

The transfer station foreman is responsible for the implementation of this procedure.

3.0 Procedure:

3.1 The yard should be regularly swept either mechanically and manually in areas not accessible by the mechanical sweeper, this is to reduce the possibility of wind blow dust and small amounts of litter.

3.2 During periods of dry weather, the yard should be dampened down regularly but not so much that mud is created.*(see yard damping down procedure).*

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

E.P.A Waste Licence No. 111-1

Environmental Management Plan 2006

Prepared By:

John Mernagh
Environmental Manager

South East Recycling Co. Ltd

Index of contents:

Environmental Management Programme.

1. Details of Operator:

South East Recycling Co. Ltd
Carrigbawn
Pembrokestown
Wexford

Tel: 053-42295
Fax: 053-46000

Managing Director: Mr. Martin Morrissey
General Manager: Mr. Michael Quirke
Facility Manager: Mr. John Mernagh

2. Types of Waste Accepted

The South East Recycling Co. Ltd facility is licensed to handle commercial, industrial non-hazardous waste, construction and demolition waste and recyclables. This waste is collected in Leinster and the south east region in counties Wexford,Carlow and South Wicklow.

Commercial Waste:
Mixed commercial waste is collected from commercial outlets throughout the above regions. Commercial waste which is rich in recyclables (paper, cardboard and plastic) is delivered to the facility by the company's own vehicles and third party hauliers. Recyclable material is segregated, where possible from the commercial waste. The remaining non-recyclable or residue is transferred to approved licensed or permitted Recycling, Recovery or Landfills.

Industrial Waste:
Mixed industrial waste is collected from industrial facilities throughout the above regions. Industrial waste which contains recyclables (paper, cardboard and plastic) is delivered to the facility by the company's own vehicles.
Recyclable material is segregated, where possible from the industrial waste. The remaining non-recyclable or residue is transferred to approved licensed or permitted Recycling, Recovery or Landfills.

Construction and Demolition Waste:
Construction and demolition waste material generally arrives on-site in skips of varying sizes. Recycable materials such as timber, metals, Gypsum and plastics are removed form the waste stream for recycling and then transferred to approved licensed or permitted Recycling facilities or Landfills.

Individual Waste Streams:

Cardboard and Paper

Cardboard is collected from commercial and industrial premises. There are two main streams of cardboard: that which arrives at the facility pre segregated and cardboard which is segregated from mixed waste when it arrives at the facility. Pre-segregated cardboard is sourced from supermarkets and industrial units. Generally this cardboard has been baled on the producer's premises. Consequently bale size can differ depending on the source. Small bales that arrive on site are disassembled and re-baled into larger bales. Cardboard is also segregated from mixed waste loads and baled.
Baled cardboard is transferred into 13.5 metre curtainsider or box containers for transport to approved licensed or permitted Recycling or Recovery facilities.

It is proposed that the level of cardboard recycling at the facility will continue to grow over the coming years, particularly in response to the requirements of the new packaging regulations. Since the company received its existing waste licence, its level of cardboard recycling has increased dramatically as new contracts have been established and new markets developed. The company hopes to further expand its cardboard recycling service in order to help meet the national demand and national recycling and recovery targets.

Plastics

This waste stream generally arrives on-site in either pre-segregated or in mixed waste loads generally in the form of post-industrial waste. The level of plastic segregation is largely dependent of whether a market is available for the end product and all materials are then transferred to approved licensed or permitted Recycling facilities.

Metals

Metals are segregated form incoming waste and transferred to approved licensed or permitted Recycling facilities.

Wood

Wood waste is segregated from incoming waste and it is also collected as a segregated waste stream and then forwarded to approved licensed or permitted Recycling facilities for reprocessing.

Gypsum

Construction and demolition gypsum waste material generally arrives on-site in skips of varying sizes. The Gypsum's are removed form the waste stream and sent to licensed or permitted facilities for recycling.

3. Quantity of Waste Accepted

Waste Quantities Accepted	Tonnes per Annum 2005			Final Disposal and/ or Recovery Location
	Received	Recycled or Recovered	Landfilled	
Cardboard	1727	1583		Bailey Waste Papers Ltd
Mixed Paper	53	5		Bailey Waste Papers Ltd
Timber	633	480		Weyerhauser Ltd
Plastic	165	42		Clearpoint Ltd
Scrap Metal	70	728		Molloy Metal Recycling Ltd
Drink Cans	218	173		Molloy Metal Recycling Ltd
Kerbside	4753	1974		Clearpoint Ltd
		2596		Waterford County Council
		82		Wastebeater
Glass	5577	3755		Berryman Glass Ltd
		1432		Staffords Shipping Ltd
			658	KTK Landfill
			3948	Greenstar Ltd
Commercial			502	Tramore Landfill
& Industrial	14919		895	Killurin Landfill
Non-Hazardous			547	Ballinasloe
		4078		Wastebeater Ltd
			2485	Whiteriver Landfill
			26	Ormonde Waterford
Construction & Demolition	1961	2189		Thomas Driver Ltd
		1689		Pat Walsh Ltd
Total Received				30076
Total Recycled or Recovered				20811
Total Landfilled				9061
% of material Recycled				**69.19%**

4. Engineering Details and site infrastructure

Fencing gates and other security

Security gates and fencing have been installed around the perimeter of the site, and has been painted green as to blend in with the surrounding environment.

Office and Fuel stores

All of the fuel for vehicles is stored in a metal tank which is located in a concrete bund it area. This bund was tested for integrity by our environmental consultants White, young, Green Ltd in late 2004 and the results where forwarded to the E.P.A. All other fuels or oils tanks on site are self contained in there own bunds and are checked weekly and the results noted on the weekly site inspection sheet.

The main office building is located to a new purpose built portacabin style building adjacent to the weighbridge.
By doing this it has reduced the amount of people crossing a busy yard to the old main office to get there vehicle weighed in and out, and gives a greater control of access to the facility.

Weighbridge

The weighbridge was re-calibrated in mid 2005 and this calibration was verified with Irish meteorology service.
The new office is now located beside the weighbridge, which gives greater control of access to the facility, and all vehicle movements and weighing are carried out from here.

Drainage

The main drainage system has been completely cleaned out by a pressure cleaning vehicle and the storage tanks and interceptors have been completely emptied and cleaned out. All the contents from emptying the above where removed to

Atlas environmental Ltd,
Clonminam Industrial Estate,
Portlaoise,
Co. Laois
E.P.A Licence No. 184-1

The foul water is pumped offsite in to the main sewarge scheme, and the pumping chamber and station are monitored on a daily basis and the observations and comments are recorded on the weekly and daily site inspections.

5. Operational Matters

Description of operations

South East Recycling Co. ltd owns and operates a waste recycling and transfer station at Carrigbawn, Pembrokestown, Wexford. The existing facility consists of a recycling and transfer building, a concrete yard for the storage of vehicles and containers. The concrete yard area also contains an office and administration block and maintenance workshop.
The existing facility is used to segregate commercial and industrial waste, which includes the processing of cardboard, plastic, Glass, wood, construction, and demolition waste, as well as general skip waste.

The facility is open between the hours of 8.00amand 5.30pm Monday to Friday and 8.00am to 12.30pm on Saturdays.
The facility is closed on Sundays and Bank Holidays.

Equipment used at the facility includes:

- Cardboard and Plastic baler
- Automatic can separation machine
- Waste Compactor for loading of trailers
- Weighbridge
- Mechanical Road sweeper
- Powerwash
- Loaders
- Forklifts

In summary, material is brought on-site by various vehicle types. All vehicles must report to the main office reception and pass over the weighbridge where the weights and details of the waste are recorded. Vehicles are then directed to the appropriate unloading bay where the load is tipped and then inspected as per the facilities waste acceptance procedures.

Plastic and cardboard and drink cans are baled within the main recycling building after which it is then transported to licensed or permitted facilities for recycling. Any residual waste is the loaded into containers or trailers and sent to licensed landfills.

6. Measures to control Environmental Nuisances

Litter

A daily litter patrol has been established at the facility whereby the site and all perimeters are checked daily for signs of litter. In addition a daily road inspection spans the area from Bishops water and Coolballow to the perimeter of the facility. Any litter encountered is picked up and then brought to the facility.

Vermin

The facility has installed its own vermin control procedures and records.
The installation of vermin control traps have been installed within the facility perimeter, and are inspected weekly and the details recorded on the weekly site inspection sheet. Records have shown that to date vermin has not posed a problem at the site.
The company also use an independent contractor to carry out inspections and re-baiting of all monitoring points.

Dust

The site is mechanically swept weekly, *(minimum 2 times per day)* particularly in the summer months when the weather is dryer.
There are procedures in place at the site office for the control of dust during dry weather.
Also in place since late 2005 is a "Sprinkler Usage Recording sheet", which shows the days and times that water was used on site to suppress any possible wind blown dust.

Odour

Any biodegradable waste that may arrive on site mixed in with waste un-noticeable to the delivery driver when collecting skips or containers is transferred to landfill as soon as possible, usually on the same day. Any loads that cannot be diverted to landfill on the same day is stored in containers or ejector trailers, which in turn are stored in the recycling building overnight which mitigates the escape of any potential odours. To date South East Recycling Co. Ltd has only received 2 complaints regarding the above nuisance, one of which was an empty container that arrived on site from a factory by a third part haulier. The vehicle and container were removed from the facility immediately.

7. Measures to control Emissions

Noise

Noise has caused minor problems in the past when glass was been loaded at the rear of the recycling building, and also the shredding of timber at the rear of the facility.
The company introduced a new procedure for the loading of glass in a different location on site and it was forwarded to the E.P.A for approval.
Also timber shredding on site has ceased and all timber material is sent off site un-processed to licensed or permitted recycling, recovery facilities.

Dust Emissions

The site is regularly cleaned with a mechanical road-sweeping machine and more frequently in the summer months.
Dust Monitoring is carried out 4 times per year as required by the waste licence. There was only incident in 2005 where dust levels at one of the monitoring points was slightly higher than what was permitted by the waste licence. This was due to the fact that there was a lot of site clearance going on with clearing of material and old machinery from the field adjacent to the facility.
An incident report form was forwarded to the Agency upon the facility receiving the monitoring report from its environmental consultants.

Surface Water & Foul Water

During 2005 the surface and foul water handling, storage and drainage systems where completely emptied and cleaned out. All surface run off water passes through a Class 1 full retention oil interceptor before discharge into the Outfall land drain.
Under the new daily and weekly site inspection sheets these interceptor and foul water storage chambers and pumping station are monitored on a daily basis.

8. Site opening and operating times

The facility is open for business between the following day and operating hours.

Monday to Friday	8.00 am	to 5.30 pm
Saturday	8.00 am	to 12.30 pm
Sundays	Closed	
Bank Holidays	Closed	

9. Access Control

All vehicles entering the site must report to the weighbridge and the weighbridge operator located at the site office.

10. Waste Acceptance Procedures

Procedures have been devised for the acceptance of waste. In addition a procedure has been devised outlying the procedure regarding unacceptable waste both on site and off site.
These procedures are maintained in the waste acceptance procedures file, which is maintained in the site office for inspection. This procedure was updated in January 2006.

11. Equipment to be utilised

Equipment used at the facility include

a. Cardboard and plastic baler
b. Can separation machine
c. Compactor for the loading of ejector trailers
d. Mechanical road sweeper
e. Weighbridge
f. Loaders
g. Forklifts
h. Power washer

12. Site Personnel and Management structure

The current management structure at the South East Recycling Co. Ltd facility is detailed below.

Name	Position	Responsibilities	Experience	Replacement
Martin Morrissey	Managing Director	Overall management of site and companies group	11 years experience	Michael Murphy
Michael Murphy	Financial Director	Group Financial Controller Accountant	10 years experience	Martin Morrissey
Michael Quirke	General Manager	Overall management of site and business	18 years experience	Michael Murphy or John Mernagh
John Mernagh	Facilities Manager	Management of site operations	19 years experience FAS Waste Management Training programme	Michael Quirke or Andrew Rinkulis
Robert Flynn	Systems and Operations	Group Waste Management Reports and Systems	10 years experience	Martina Fitzharris or John Mernagh
Mary Kehoe	Office Administration	Administration and Accounts	7 years experience	Martina Fitzharris
Martina Fitzharris	Office Administrator	Office Administration	6 years experience	Mary Kehoe or Sinead O Connor
Sinead O Connor	Office Administrator	Office Administration	3 years experience	Martina Fitzharris or Mary Kehoe
Andrew Hirinkulis	Transfer Station Foreman	Management of operations of transfer station	5 years experience	Martin Kavanagh
Martin Kavanagh	Site Foreman	General supervision of staff and Recycling Operations	6 years experience	Andrew Hirinkulis

13. Monitoring & Maintenance procedures

Environmental monitoring is conducted as required under Condition 9 of the waste licence. All monitoring is undertaken by Euro Environmental Services Ltd.

Dust

Monitoring is only required to be carried out twice per year and twice between May and September. The dust monitoring points have been agreed with the E.P.A.
Dust limits are as outlined in schedule f of the waste licence.
All monitoring reports for the above are forwarded to the Agency.

Noise

Noise Monitoring takes place 4 times per year at the six locations as required under condition 9.5 and schedule F2 of the waste licence.
The monitoring locations are chosen to provide an indication of noise levels experienced on site and at the nearest sensitive noise receptors (Domestic Dwellings).
All monitoring reports for the above are forwarded to the Agency.

Water Quality

It is possible to obtain water samples form all three locations that are laid out and marked on the site plan submitted in the environmental impact assessment.
Samples are taken quarterly for the parameters as outline in table E 3.1 of the waste licence.
All monitoring reports for the above are forwarded to the Agency.

Vehicle Maintenance

All vehicles are maintained as per the manufactures specifications and is now carried out at the vehicle main dealers.

14.0 Emergency Procedures

All emergency procedure is maintained in a separate file in the site office for inspection and are reviewed and as required but at least at a minimum of once per year.
This is done in conjunction with our health and safety advisers (Synergy Risk Management Ltd) who review our safety and operating procedures and who also carry out random UN announced site safety inspections

15.0 Objectives and targets.

Objectives and targets have been developed for the facility. The objectives and targets concentrate on the following issues.

- Water
- Air
- Land
- Waste
- Nuisance
- Resources

The objectives and targets were arrived at following a review of the facility after which those environmental issues which, were deemed to be significant had objectives and targets assigned to them. A work programme has been devised in order to implement the objectives and targets. The work programme outlines: the steps that are required to implement the objectives and targets; who is responsible for their implementation; the deadline by which they should be achieved; and the current status. See Appendix A.

Appendix A

South East Recycling Co. Ltd	**Issue no.** 002
Environmental Management Programme	**Date:** 5-1-06

LD=Land; FM=Facility Manager; GM=General Manager

LAND

Ref.	Objective	Target	Work Programme	Owner	Due	Status
LD 1	To reduce Landfill lechate	Assess environmental friendliness of detergents used	Use bio-degradable detergents for vehicle wash	FM GM	December 2004	Complete and in place
LD 2	As above	Reduce contaminated water emissions from site	Install Temporary water storage tank	FM GM	December 2003	Complete
LD3	To reduce the amount of wind blown litter	To ensure no wind blown litter causes a nuisance to neighbouring properties	Devise New daily site inspection sheet to include this	FM GM	January 2006	In place
LD 4	To ensure that dust levels are maintained to that of what is required by the site licence	Ensure that all waste that may cause rising dust is dampened prior to loading for shipment of site	Devise written procedure for the damping of any possible dusty waste or recyclables	FM GM	March 2006	Ongoing

South East Recycling Co. Ltd	**Issue no.** 002
Environmental Management Programme	**Date:** 5-1-06

A=Air; FM=Facility Manager; GM=General Manager

AIR

Ref.	Objective	Target	Work Programme	Owner	Due	Status
A1	Reduce dust levels associated with normal operating procedures	Ensure Dust emissions are within EPA guide limits	Ensure all waste processing takes place under cover, and that all C&D waste is dampened during dry weather.	FM GM	June 2006	Ongoing
A2	To reduce on site dust levels	To reduce dust levels by 4% on 2005 levels (related to tonnage)	Review procedure for the damping down of facility yard area & the C&D storage area	FM GM	June 2006	Reviewed & Ongoing
A3	As above	As above	Concrete all working areas of facility	FM GM	December 2003	Complete
A4	As above	As above	Review written procedure for the sweeping of facility yard area.	FM GM	January 2006	Complete
A5	Devise written record sheet for the use of dust sprinkler system	To reduce dust emissions from the facility	Ensure that the sprinklers are used on dry & windy days	GM FM	November 2005	Complete and in place

South East Recycling Co. Ltd	**Issue no.** 002
Environmental Management Programme	**Date:** 5-1-06

FM=Facility Manager; GM=General Manager; R=Resources

Resources

Ref.	Objective	Target	Work Programme	Owner	Due	Status
R1	Reduce the disposal of hazardous waste	Provide container and contractor for the removal of batteries	Recycle 100% of old batteries	GM FM	June 2006	Ongoing
R2	Reduce energy consumption on site	To reduce energy consumption by 3% on 2005 levels based on tonnages handled	Investigate energy efficient measures for machinery and offices	FM GM		Ongoing
R3	Reduce the amount of hydro carbons used on site in relation to tonnages handled	To reduce the amount of fuel used and stored on site and used in relation to tonnages handled	Ensure the maximising of capacity on vehicle loads leaving the facility.	GM FM	June 2006	Ongoing

South East Recycling Co. Ltd	**Issue no.** 002
Environmental Management Programme	**Date:** 5-1-06

FM=Facility Manager; GM=General Manager

Waste

Ref.	Objective	Target	Work Programme	Owner	Due	Status
W1	Reduce the amount of material going to landfill	Increase waste acceptance capacity of the site	Gain additional contracts to handle/process waste	GM FM		Ongoing
W2	Increase waste & Recyclable capacity at the facility	To seek a review of waste licence	Review application complete. Waiting on verification, approval from Wexford County Council	GM FM	1st Quarter 2006	Ongoing
W3	To ensure that all waste processing is carried out inside	To keep the level of material stored for processing in the recycling building to a minimum	To ensure that waste or recyclables are shipped off site once there is enough material to make up a single load	GM		Ongoing
W4	To reduce the potential of on site accidents	To ensure all drums on site are contained in bunded area	Build new designated bund area for the storage of all drums	FM GM	June 2004	Complete

South East Recycling Co. Ltd	**Issue no.** 002
Environmental Management Programme	**Date:** 5-1-06

FM=Facility Manager; GM=General Manager; T=Traffic; N=Noise; LT=Litter; V=Vermin; EURO= Euro Environmental Ltd

Nuisance

Ref.	Objective	Target	Work Programme	Owner	Due	Status
T1	To reduce noise levels	Reduce road vehicle noise levels	Establish vehicle maintenance programme	GM OM	December 2003	Complete
T2	As above	As above	Ensure all vehicles are fitted with exhaust silencers	GM OM FM	November 2003	Complete
N1	Reduce on site noise levels	Ensure on site vehicle noise meets EU regulations	Monitor on site noise levels	EURO	Bi-annually	Ongoing
N2	As above	As above	Install gates at entrance to act as additional acoustic barrier	FM GM	June 2003	Complete
N3	To reduce the noise level from loading glass	Move glass loading area to front of recycling building	Devise new procedure for the loading of glass	FM GM	November 2004	Complete
N4	To reduce the noise level from loading glass	Move glass loading area to front of recycling building & review loading hours	To review loading hours for the loading of glass for transport off site	FM GM	June 2005	Complete
LT1	Ensure litter from site does not pose a problem	To set up a litter monitoring programme	Include litter inspection in daily site inspection sheet	FM GM	January 2006	Ongoing
LT1	Ensure litter from site does not pose a problem	To set up a litter monitoring programme	To review the Daily/weekly road monitoring inspection sheet	FM GM	January 2006	Ongoing
V1	To ensure that vermin does not pose a problem on site	Set up a vermin control programme	Include vermin inspections on the weekly site inspection sheet	FM GM	November 2004	Complete

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A=Air; FM=Facility Manager; GM=General Manager; SW=Surface Water; FW=Foul Water; GW=Ground Water

WATER

Ref.	Objective	Target	Work Programme	Owner	Due	Status
SW/FW/GW	Bring drainage system up to standard as required by the licence	Install new drainage system by December 2003	Devise plans to upgrade drainage system as per the licence	FM GM	December 2003	Complete
As above	As above	As above	Investigate the possibility of connecting to the local authority main sewer.	FM GM	January 2004	Complete
As above	As above	As above	Approach local authority about the above	FM GM	January 2004	Complete
As above	As above	As above	If local authority is amendable, make former application in writing	FM GM	January 2005	Complete
SW;GW	To prevent contamination of surface and ground water by surface water	To reduce the BOD, COD levels by 10% on 2004 levels	Hardstand all working areas	FM GM OM	November 2005	Complete
SW;GW	As above	As above	The installation of fuel bunds on all tanks	FM OM	November 2004	Complete
SW;GW	As above	As above	Use bio-degradeable detergents	FM GM	December 2004	Complete
SW	To ensure that the interceptors are cleaned , emptied as per the requirements of the site licence.	To have the interceptors and drainage system cleaned and emptied at least 3 times per year	Engage the services of a licensed contractor to empty and clean as part of a preventative maintenance programme.	FM GM	June 2006	Ongoing
SW;GW	To ensure no pollution of surface water is occurring	Ensure that the surface water is monitored as per the requirements of the site licence.	Ensure that a visual inspection is carried out as per the new daily & weekly site inspection sheets	FM GM	February 2006	Ongoing
GW	To ensure no pollution of ground water is occurring	Set up monitoring programme for ground water	Install boreholes	FM GM OM	December 2003	Complete

Appendix B

Proposed site work for 2006

1. The entire site is due to have demarcation lines installed on the site to identify specific on site storage areas, vehicle parking areas, container and trailer parking areas and also designated no-parking areas and directional guide line markings. This will have the benefit of providing better health & safety for vehicle movements on site for all facility operational staff and external hauliers and the facilities own drivers of were the appropriate storage and off loading areas are located on site. This is due to be completed by the end of March 2006.

2. The company is installing a small civic amenity site (wheel bins) at the site office for vehicles delivering very small amounts of recyclables. This will in turn reduce the amount of vehicle movements in the main yard and will also improve on site vehicle management and health and safety.