



**Environmental Efficiency**  
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# Application for a Waste Licence

## Tonge Industries Ltd

Document number: 778-01 v1.01

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## WASTE Application Form

### QF 1. v2 Document Lead Sheet

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Document No.	778-01 v1.01
Client	Tonge Industries Ltd
Address	Unit 7, First Avenue, Cookstown Industrial Estate, Tallaght, Dublin 24

Issue	Status	Date	Author	Signed for and on behalf of	
				Environmental Efficiency	Client
1.01	Approved	24/09/2007	JD	<i>RB Sutcliffe</i>	

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**EEC Project Manager:** Bob Sutcliffe, CEng, MIMechE

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# Waste Licence Application Form

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

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



WASTE Application Form

Environmental Protection Agency  
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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## INTRODUCTION

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

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

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

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

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

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

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

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

**CHECKLIST**

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

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

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

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

<b>LOCATION</b>	B1		
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>	

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

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

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

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

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

<b>LOCATION</b>	B.2		
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>	

- (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,

WASTE Application Form

<b>LOCATION</b>	B.7 and Attachment B.7	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	B.7	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Table H.1(i)	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Table G.1	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachments D.2 and F.4	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachments I, G.1 & L.2	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

WASTE Application Form

(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,

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

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

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

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

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

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

<b>LOCATION</b>	Table H.1(ii)	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

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

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

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



WASTE Application Form

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

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

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

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

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

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

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

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

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

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

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

WASTE Application Form

(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	Attachment A	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

LOCATION	Attached to Application	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B.3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Map 2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

LOCATION	Attachment I.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

## PROCEDURES

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

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

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

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

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

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

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant**

consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. This information should be submitted in a separate enclosure bearing the legend “In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)”.

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

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

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

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

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

**SECTION A      NON-TECHNICAL SUMMARY**

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

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

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**SECTION B GENERAL**

**B.1 Applicant's Details**

**Name\*:** Tonge Industries Ltd  
**Address:** Unit 7, First Avenue,  
Cookstown Industrial Estate,  
Tallaght  
Dublin 24  
**Tel:** 01 4149805  
**Fax:** 01 4149806  
**e-mail:** tonge@eircom.net

\* 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:** Tonge Industries Ltd  
**Address:** Unit 7, First Avenue,  
Cookstown Industrial Estate,  
Tallaght  
Dublin 24  
**Tel:** 01 4149805  
**Fax:** 01 4149806  
**e-mail:** tonge@eircom.net

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

**Address:** As above  
**Tel:**  
**Fax:**  
**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. ( Company Directors: Mr. Simon Tonge & Ms Ruth Tonge)

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

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

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

Name:

Address:

Tel:

Fax:

e-mail:

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

Name: Paul Tonge

Address: 18 St Gabriel's  
Cabinteely  
Dublin 18

Tel: 087 2517742

Fax:

e-mail:

\*Current at the time the application is submitted

**B.2 Location of Activity**

Name: Tonge Industries Ltd

Address\*: Unit 7, First avenue,  
Cookstown Industrial Estate,  
Tallaght,  
Dublin 24

Tel: 01 4149805

Fax: 01 4149806

e-mail: tonge@eircom.net

\* Include any townland



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<b>National Grid Reference (8 digit 4E,4N)</b>	2286E, 3082N
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Location maps ( $\leq A3$ ), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

**B.3 Planning Authority**

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

**Name:** South Dublin County Council

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**Address:** County Hall,

---

Tallaght,

---

Dublin 24

---

**Tel:** 01 4149000

---

**Fax:**

---

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?

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

Planning Permission relating to this application:-

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

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<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	SD05A/0845
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**Attachment B.3** should contain *the most recent* planning permission, including a copy of *all* conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, *etc.*

**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:** South Dublin County Council  
**Address:** County Hall  
Tallaght  
Dublin 24  
**Tel:** 01 4149000  
**Fax:**

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.

<b>Within SFADCo. Area</b>	<b>Yes</b> <input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
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The applicant should indicate the **Health Board Region** where the activity is or will be located.

**Name:** Dublin Mid Leinster Health Board  
**Address:** Dr Stevens Hospital,  
Dublin 8  
**Tel:** 01 6790700  
**Fax:**

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**B.6 Notices and Advertisements**

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

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

**B.7 Type of Waste Activity, Tonnages & Fees**

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

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

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

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

**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.

<b>Maximum Annual Tonnage (tpa)</b>	625 tonnes metal 510 tonnes waste oil (600,000 litres oil @ 840kg/m <sup>3</sup> )
<b>Year</b>	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)	Not applicable
Recovery of Waste (4): 3. Recycling or reclamation of metals and metal compounds and 8. Oil re-refining or other re-uses of oil.	10,000

**TABLE B.7.4 (FOR A LANDFILL APPLICATION)**

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

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

**B.8 SEVESO II DIRECTIVE**

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

<b>Regulations Apply</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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WASTE Application Form

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**.

Name	Position	Duties and Responsibilities	Experience /Qualifications
Simon Tonge	Director	<p><b>Day-to-day running of the company</b></p> <ul style="list-style-type: none"> <li>• Day-to-day running of the company</li> <li>• Implements and co-ordinates Quality Management System</li> <li>• Implements and co-ordinates Environmental Management System</li> </ul>	<p>20 years experience in the field of Distribution Transformers.</p> <ul style="list-style-type: none"> <li>• 20 years experience in repairs and rewinding of Distribution Transformers.</li> <li>• 20 years experience in decommissioning, dismantling and recycling of Distribution Transformers.</li> <li>• 10 years experience of plant and machinery maintenance.</li> <li>• 5 years experience in implementing and co-ordinating of Quality Management Systems.</li> <li>• 2 years experience in implementing of Environmental Management Systems.</li> </ul>
Ruth Tonge	Director		

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

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

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

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

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

***C.4 Conditioning Plan***

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

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**SECTION D INFRASTRUCTURE & OPERATION**

**D.1 Infrastructure**

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

Table D.1. Infrastructure		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	
D.1.b	Designs for site roads	N	
D.1.c	Design of hard standing areas	Y	
D.1.d	Plant	Y	
D.1.e	Wheel-wash	N	
D.1.f	Laboratory facilities	N	
D.1.g	Design and location of fuel storage areas	Y	
D.1.h	Waste quarantine areas	Y	
D.1.i	Waste inspection areas	Y	
D.1.j	Traffic control	N	
D.1.k	Sewerage and surface water drainage infrastructure	Y	
D.1.l	All other services	Y	
D.1.m	Plant sheds, garages and equipment compound	Y	
D.1.n	Site accommodation	Y	
D.1.o	A fire control system, including water supply	Y	
D.1.p	Civic amenity facilities	Y	
D.1.q	Any other waste recovery infrastructure	Y	
D.1.r	Composting infrastructure	N	
D.1.s	Construction and Demolition waste infrastructure	N	
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	N	
D.1.u	Any other infrastructure	N	

**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*.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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**LANDFILLS**

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

**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
<b>D.3.a</b>	<b>Provide information to fulfil Annex 1 of the Landfill Directive</b>		
<b>D.3.b</b>	<b>What type of liner system is specified?</b>		
<b>D.3.c</b>	<b>Has a Quality Control Plan been specified?</b>		
<b>D.3.d</b>	<b>Has a Quality Assurance Plan been specified?</b>		
<b>D.3.e</b>	<b>Have independent, third-party supervision, testing and controls been specified?</b>		
<b>D.3.f</b>	<b>Have basal gradients for all cells and access ramps to the cells been designed?</b>		
<b>D.3.g</b>	<b>Has a leak detection survey been specified?</b>		



**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?		

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**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
<b>D.5a</b>	<p><b>Is there a Landfill Gas Management Plan?</b></p> <p>Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:</p>		
<b>D.5b</b>	<b>Is there a passive venting system?</b>		
<b>D.5c</b>	<b>Does the passive system cover all of the filled area?</b>		
<b>D.5d</b>	<b>Have gas alarm systems been installed in the site buildings?</b>		
<b>D.5e</b>	<b>Have measures been installed to prevent landfill gas migration (e.g. barriers)?</b>		
<b>D.5f</b>	<b>Has a time-scale been proposed for the installation of landfill gas infrastructure?</b>		
<b>D.5g</b>	<b>Is gas flaring undertaken at the site?</b>		
<b>D.5h</b>	<b>Is there an active (i.e., pumped) landfill gas extraction system?</b>		
<b>D.5i</b>	<b>Does the active system cover all of the filled area?</b>		
<b>D.5j</b>	<b>Is landfill gas used to generate energy at the site?</b>		
<b>D.5k</b>	<b>Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?</b>		
<b>D.5l</b>	<b>Has a maintenance programme for the control system been specified?</b>		
<b>D.5m</b>	<b>Has a condensate removal system been designed?</b>		

**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.*

***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**



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E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Table with 5 columns: Control Category, Control method specified, Attachment included, and checkboxes for yes, no, and not applicable. Rows include Bird Control, Dust Control, Fire Control, Litter Control, Traffic Control, Vermin Control, and Road Cleansing.

**SECTION F CONTROL & MONITORING**

**F.1: Treatment, Abatement and Control Systems**

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

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

**Attachment F.1** should contain any supporting information.

**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

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

**F.3 Surface Water**

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

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

**F.4 Sewer Discharge**

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

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

**F.5 Groundwater**

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

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

**F.6 Noise**

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

**F.7 Meteorological Data**

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

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

**F.8 Leachate**

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

**F.9 Landfill Gas**

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

Table F.9 (a) Landfill Gas Monitoring for existing landfill gas flares / utilisation plants

Parameter	Concentration (mg/Nm <sup>3</sup> )	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
<b>Inlet</b>					
Methane (CH <sub>4</sub> ) % v/v					
Carbon dioxide (CO <sub>2</sub> ) %v/v					
Oxygen (O <sub>2</sub> ) % v/v					
<b>Outlet</b>					
Volumetric Flow Rate					
SO <sub>2</sub>					
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 <sub>4</sub> ) % v/v					
Carbon Dioxide (CO <sub>2</sub> ) % v/v					
Oxygen (O <sub>2</sub> ) % 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				

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



**SECTION G RESOURCES USE & ENERGY EFFICIENCY**

**G.1 Raw Materials, Substances, Preparations and Energy**

**Attachment G.1** should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, should be used in the description of these materials, substances, etc., where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input type="checkbox"/>
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**G.2 Energy Efficiency**

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

<b>Attachment included</b>	yes <input checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input type="checkbox"/>
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**SECTION H MATERIALS HANDLING**

**H.1 Waste Types and Quantities – Existing & Proposed**

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

**TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR**

Waste Management Act 3rd Schedule (Disposal) Activities		Waste Management Act 4th Schedule (Recovery) Activities	
Class of Activity Applied For	Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1		Class 1	
Class 2		Class 2	
Class 3		Class 3	625
Class 4		Class 4	
Class 5		Class 5	
Class 6		Class 6	
Class 7		Class 7	
Class 8		Class 8	Y 510 tonnes (600,000 litres/annum)
Class 9		Class 9	
Class 10		Class 10	
Class 11		Class 11	
Class 12		Class 12	
Class 13		Class 13	

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1**. The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

**TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE**

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2006	625	510	1135

A detailed inventory of the types and quantities of wastes currently handled at the site and proposed to be handled should be submitted as Table H.1 (C).

**TABLE H.1 (C) WASTE TYPES AND QUANTITIES**

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household			
Commercial			
Sewage Sludge			
Construction and Demolition			
Industrial Non-Hazardous Sludges			
Industrial Non-Hazardous Solids	625	700	
Hazardous *(Specify detail in Table H 1.2)	510	595	
Inert Waste imported for restoration purposes	COMPLETELY FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY For inspection purposes only. Consent of copyright owner required for any other use.		

**\* 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	13 03 07	510	595
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
<b>OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)</b>			

**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***

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***

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.3.a Waste Handling at the Landfill Facility***

State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (d) Evidence should be provided to show that energy will be used efficiently.

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

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature

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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<sup>3</sup>) 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

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

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.

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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.

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

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

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, appropriately scaled plans/drawings ( $\leq A3$ ), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5.**

### I.6 Noise Impact.

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.6(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)



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- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, appropriately scaled maps ( $\leq A3$ ), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6**.

I.7 Assessment of Ecological Impacts & Mitigation Measures

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

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**.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

**SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE**

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

For Landfill Applications, capping proposals are required, and reference should be made to the *Landfill Manual on 'Restoration and Aftercare'* published by the Agency, when completing this section.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

**SECTION L STATUTORY REQUIREMENTS****L. 1 Section 40(4) WMA**

Indicate how all the requirements of Section 40(4)[(a) to (f)] 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.

<b>Attachment included</b>	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	------------------------------	-----------------------------	---

**L.2 Fit and Proper Person**

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the WMA specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.



### WASTE Application Form

- 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.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

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# WASTE Application Form

## WASTE Application Form

### 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 : Simon Tonge  
(on behalf of the organisation)

Date : 29-6-07

Print signature name: SIMON TONGE

Position in organisation : DIRECTOR-TONGE INDUSTRIES L.T.O.

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Company stamp or seal:



## ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results

**TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE**  
**Emission Point:**

Emission Point Ref. N <sup>o</sup> :	
Location :	
Grid Ref. (12 digit, 6E,6N):	
<b>Vent Details</b>	
Diameter:	
Height above Ground(m):	
Date of commencement of emission:	

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**Characteristics of Emission :**

CO	mg/m <sup>3</sup>
Total organic carbon (TOC)	mg/m <sup>3</sup>
NO <sub>x</sub>	mg/Nm <sup>3</sup> 0°C. 3% O <sub>2</sub> (Liquid or Gas), 6% O <sub>2</sub> (Solid Fuel)
Maximum volume of emission	m <sup>3</sup> /hr
Temperature	°C(max)      °C(min)      °C(avg)

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

Periods of Emission (avg)	_____ min/hr    _____ hr/day    _____ day/yr
---------------------------	--



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**TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE** (1 Page for each emission point)

Emission Point Ref. N <sup>o</sup> :	
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 <sup>3</sup> /d	Maximum/day	m <sup>3</sup> /d
Maximum rate/hour	m <sup>3</sup> /h	Min efflux velocity	m.sec <sup>-1</sup>
(ii) Other factors			
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources:			
Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry.        _____%O <sub>2</sub>			

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

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



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**TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission** (1 table per emission point)

Emission Point Reference Number: \_\_\_\_\_

Parameter	Prior to treatment <sup>(1)</sup>				Brief description of treatment	As discharged <sup>(1)</sup>						
	mg/Nm <sup>3</sup>		kg/h			mg/Nm <sup>3</sup>		kg/h.		kg/year		
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max	

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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.

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**TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive**

Emission point Reference Numbers	Description	Emission details <sup>1</sup>				Abatement system employed
		material	mg/Nm <sup>3(2)</sup>	kg/h.	kg/year	

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- 1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
- 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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

**Emission Point:**

Emission Point Ref. N <sup>o</sup> :	
Source of Emission:	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Name of receiving waters:	
Flow rate in receiving waters:	<p>_____ m<sup>3</sup>.sec<sup>-1</sup> Dry Weather Flow</p> <p>_____ m<sup>3</sup>.sec<sup>-1</sup> 95%ile flow</p>
Available waste assimilative capacity:	_____ kg/day

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**Emission Details:**

(i) Volume to be emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>





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Maximum rate/hour	m <sup>3</sup>		
-------------------	----------------	--	--

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

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

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

*Emission point reference number :* \_\_\_\_\_

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	

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

**Emission Point:**

Emission Point Ref. N <sup>o</sup> :	
Location of connection to sewer :	
Grid Ref. (10 digit, 5E,5N):	
Name of sewage undertaker:	

**Emission Details:**

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

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

Periods of Emission (avg)	_____ min/hr	_____ hr/day	_____ day/yr
---------------------------	--------------	--------------	--------------

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

Emission point reference number : \_\_\_\_\_

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	

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

**Emission Point or Area:**

Emission Point/Area Ref. N <sup>o</sup> :	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

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**Emission Details:**

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

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

Periods of Emission (avg)	_____ min/hr	_____ hr/day	_____ day/yr
---------------------------	--------------	--------------	--------------

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**Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet**

Ambient noise monitoring was carried out at boundary locations. The results of this monitoring are provided in attachment I 6

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure <sup>1</sup> dBA at reference distance	Octave bands (Hz) Sound Pressure <sup>1</sup> Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission
				31.5	63	125	250	500	1K	2K	4K		

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

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number* : \_\_\_\_\_

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration

<sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.

<sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.

<sup>3</sup> List the monitoring of the control parameter to be carried out.



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

*Emission Point Reference No(s).* : \_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling Points

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

Monitoring Point Reference No : \_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling point

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

Ref. N <sup>o</sup> or Code	Material/ Substance <sup>(1)</sup>	CAS Number	Danger <sup>(2)</sup> Category	Amount Stored  (tonnes)	Annual Usage  (tonnes)	Nature of Use	R <sup>(3)</sup> - Phrase	S <sup>(3)</sup> - Phrase
	Forklift gas			0.09 tonne (5 x 18kg units)	1.44t (80 units)			
	Butane gas			0.0266tonne (2 x 13.3kg units)	0.0266t 2 units			
	Oxygen			0.00008 t (1 x 80kg units)	0.00024t 3 units			
	Dissolved acetylene			0.00008 t (1 x 80kg units)	0.00024t 3 units			
	White spirits			0.00086t (1 litre)	0.0034t 4 litres			
	Diesel			.0049 tonne (6 litres)	0.0326t 40 litres	Hot washer		
	Petrol			.0044t (6 litres)	0.0293t 40 litres	Con saw		
	Oil			5/6 containers	5 litres	Machinery e.g. brake fluid & hydraulic oil		

Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.



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2. c.f. Article 2(2) of SI N<sup>o</sup> 77/94
3. c.f. Schedules 2 and 3 of SI N<sup>o</sup> 77/94

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**TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal**

Waste material	EWC Code	Main source <sup>1</sup>	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 <sup>3</sup> / month			
Copper, bronze, brass	17-04-01	Transformer coils	10		Removed from transformers at Tonge Ind.	Taken off-site by Hammond Lane Metal Co. Ltd. Recycled by Hammond Lane Metal Co. Ltd.	
Aluminium	17-04-02	Wire, sheet and extrusions	1		Removed from transformers at Tonge Ind.	Taken off-site by Hammond Lane Metal Co. Ltd. Recycled by Hammond Lane Metal Co. Ltd.	
Iron and Steel	17-04-05	Scrap collected from client sites and recovered at Tonge Ind.	40		Metal is segregated and stored at Tonge Ind.	Taken off-site by Hammond Lane Metal Co. Ltd. Recycled by Hammond Lane Metal Co. Ltd.	
Mixed metals	17-04-07	Scrap collect from client sites and recovered at Tonge Ind.	0.5		Metal is segregated and stored at Tonge Ind.	Taken off-site by Hammond Lane Metal Co. Ltd. Recycled by Hammond Lane Metal Co. Ltd.	

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Cables	17-04-11	Cables collected from client sites and recovered at Tonge Ind.	0.5			Taken off-site by Hammond Lane Metal Co. Ltd. Recycled by Hammond Lane Metal Co. Ltd.	
Oil	13-03-07	Oil extracted from transformers to be scrapped.	42.5t		Oil is sucked from the transformers and stored in the bunded tank at Tonge Ind.	Oil is taken off-site by Enva Ireland Limited.	

<sup>1</sup> A reference should be made to the main activity / process for each waste.

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**TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal**

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site recovery/disposal <sup>2</sup> (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m <sup>3</sup> / month			
Oily rags	15 02 02	General use	Very small quantity		Stored in bin. Bin removed by Enva Ireland Ltd	Enva Ireland Ltd Clonminam Industrial Estate, Portlaoise, Co. Laois	

- 1 A reference should be made to the main activity/ process for each waste.
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: \_\_\_\_\_

*Only uncontaminated surface water runoff from yard and roofs is discharged from the site via an oil interceptor to County Council surface water sewer*

Parameter	Results (mg/l)				Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

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Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Phosphate PO <sub>4</sub>							

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**Table I.4(i) GROUNDWATER QUALITY**

(Sheet 1 of 2) Monitoring Point/ Grid Reference: \_\_\_\_\_

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO <sub>4</sub>							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Water level (m OD)							

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**Table I.6(i) Ambient Noise Assessment**

*Third Octave analysis for noise emissions should be used to determine tonal noises*

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) <sub>eq</sub>	L(A) <sub>10</sub>	L(A) <sub>90</sub>
<b>1. SITE BOUNDARY</b>				
<b>Location 1:</b>	22858N, 30822E	59.9	62.8	45.9
<b>Location 2:</b>	22864N, 30820E	58.2	55.5	44.4
<b>Location 3:</b>				
<b>Location 4:</b>				
<b>2. NOISE SENSITIVE LOCATIONS</b>				
<b>Location 1:</b>				
<b>Location 2:</b>				
<b>Location 3:</b>				
<b>Location 4:</b>				

NOTE: All locations should be identified on accompanying drawings.

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## Attachment A

### Non-technical summary

#### Introduction

Tonge Industries Limited, Unit 7, First Avenue, Cookstown Industrial Estate, Tallaght, Dublin 24 are applying for a Waste Licence for their activity at the aforementioned premises.

Established in 1946, Tonge Industries Ltd is a recycling and transformer specialist company, recycling all metals and waste oil at its dedicated site. At the plant, hardware, such as transformers, sub-stations, regulators are dismantled and metals reclaimed and segregated. Oil from the equipment is sucked into a holding tank before being transported off site for recycling.

Tonge Industries has had a long running business relationship with the ESB, playing a pivotal role in its network renewal programme. It has been recycling and decommissioning ESB transformers since the mid-sixties.

#### Classification of activities

The relevant waste disposal and recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996-2003 to which this application relates are:

#### Fourth Schedule – Waste Recovery Activities

Principal activity:

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

Other Activities:

8. *Oil re-finishing or other re-uses of oil.*

#### On-site operations

The facility will operate during the following hours:

- 8:00 – 18:00 Monday to Friday

The facility is used for the recovery of metals and transformer oil. Transformers are delivered to Tonge Ind. by the ESB. The transformers are tested and segregated into transformers for repair and transformers for decommissioning. The decommissioned transformers are opened and the oil is sucked out. The oil is stored in a bunded tank. Metals with an oily residue are stored in a sump to allow any oil on the metal to drain off. The rest of the metals are separated using air tools. The metals and the oil are taken off-site by a licensed contractor. Approximately 625 tonnes of metal and 600,000 litres of oil (approx. 510 tonnes) are recovered per annum.

#### Process description

Transformers are delivered to Tonge Ind. in special bins. Transformers are inspected and segregated into transformers for repair and transformers for decommissioning. Transformers with oil leaks are delivered in bags and are transferred to the dismantling area.

Transformers for decommission are cut open and the insulating oil sucked to a 13,000l holding tank. The coils are taken out of the transformers and placed in boxes with sealed bases. The coils are taken out of the boxes to allow any oil to drain to a sump. The coils are then returned to the boxes and are ready for transport. The transformer core is returned to the transformer case and removed to the skip. All metals are removed to a licensed metal recycling company.

#### Emissions and abatement



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Emissions to atmosphere – There are no emissions to atmosphere.

Emissions to surface water – Only uncontaminated surface water runoff from site and rain water from roofs is discharged via a full retention interceptor to county council surface water sewer.

Emissions to sewer water – Only domestic effluent is discharged to domestic sewer. There is no trade effluent generated on site.

Emissions to groundwater and soils – All areas of the site are hard standing. There are no emissions to groundwater and soils.

Noise impacts – The site is located in an industrial area. There are no noise sensitive locations nearby. There are no impacts from noise.

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Attachment B.1

Certificate of Incorporation

THE HEREBY CERTIFIED THAT THE  
WITHIN HAS BEEN COMPARED  
WITH AND IS A TRUE COPY OF  
THE ORIGINAL.

NUMBER  
076868

Dated the 11th day of February 1997  
Mason Hayes & Curran  
Solicitors

**Certificate of Incorporation**  
ON CHANGE OF NAME

I hereby certify that


**E. & J. TONGE INDUSTRIES LIMITED**

having, by a Special Resolution of the Company,  
and with the approval of the Minister for  
Enterprise and Employment, changed its name, is now  
incorporated as a limited company under the name

**TONGE INDUSTRIES LIMITED**

and I have entered such name on the Register accordingly.

Given under my hand at Dublin, this  
Tuesday, the 11th day of February, 1997

  
For Registrar of Companies

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## WASTE Application Form

### Attachment B.2

Map 1 shows the site location. The site boundary is outlined in red.

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Attachment B.3

Planning Permission

SOUTH DUBLIN COUNTY COUNCIL  
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

Halla an Chontae,  
Lár an Bhaile, Tamhlacht,  
Baile Átha Cliath 24.

Telefon: 01-414 9000  
Facs: 01-414 9104



PLANNING  
DEPARTMENT  
County Hall,  
Town Centre, Tallaght,  
Dublin 24.

Telephone: 01-414 9000  
Fax: 01-414 9104  
E-Mail: [planning.dept@sdblincoco.ie](mailto:planning.dept@sdblincoco.ie)

Enda Fanning Architects  
40, Main Street  
Rathfarnham Village  
Dublin 14

NOTIFICATION OF DECISION TO GRANT PERMISSION  
PLANNING AND DEVELOPMENT ACT 2000, &  
PLANNING REGULATIONS THEREUNDER

Decision Order Number:	0520	Date of Decision:	16-Mar-2006
Register Reference:	SD05A/0845	Date:	20-Feb-2006

**Applicant:** Tonge Industries Ltd.

**Development:** Change of use of premises to waste management use.

**Location:** Unit 7A, Cookstown Industrial Estate, Tallaght, Dublin 24

**Floor Area:**

**Time extension(s) up to and including:**

**Additional Information Requested/Received:** 06-Dec-2005 / 20-Feb-2006

**Clarification of Additional Information Requested/Received:** 06-Dec-2005 / 20-Feb-2006

**DECISION TO:** Pursuant to the Planning & Development Act 2000, it is hereby decided, for the reasons set out in the First Schedule hereto, to **GRANT PERMISSION** for the said

**SOUTH DUBLIN COUNTY COUNCIL  
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DEPARTMENT**  
County Hall,  
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Dublin 24.

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Fax: 01-414 9104  
E-Mail: [planning.dept@sdblincoco.ie](mailto:planning.dept@sdblincoco.ie)

development in accordance with the said plans and particulars, subject to the conditions specified in the Second Schedule hereto, the reasons for the imposition of the said conditions being as set out in the said Second Schedule and the said permission is hereby GRANTED subject to the said conditions.

**FIRST SCHEDULE**

It is considered that the proposed development accords with the policies and objectives of South Dublin County Council, as set out in the South Dublin County Council Development Plan 2004-2010 and subject to the (8) condition(s) set out hereunder is thereby in accordance with the proper planning and sustainable development of the area.

**SECOND SCHEDULE**

**Conditions and Reasons:**

1. The development shall be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, and as amended by Further Information received on 20th February 2006, save as may be required by the other conditions attached hereto.  
REASON: To ensure that the development shall be in accordance with the permission, and that effective control be maintained.
2. The water supply and drainage infrastructure, including the disposal of surface water, shall comply with the technical requirements of the Planning Authority.  
REASON: In the interests of public health and in order to ensure adequate drainage provision.
3. Any waste on site shall be of a non-hazardous nature.  
REASON: In the interests of public health.
4. All waste / refuse deliveries shall be restricted to operating hours and access to the site shall be restricted to commercial operators only.  
Reason: In the interest of the proper planning and development of the area.
5. All necessary measures shall be taken by the contractor to prevent the spillage or deposit of clay, rubble or other debris on adjoining roads during the course of the works.  
REASON: To protect the amenities of the area.

**SOUTH DUBLIN COUNTY COUNCIL  
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Baile Átha Cliath 24.

Telefon: 01-414 9000  
Facs: 01-414 9104



**PLANNING  
DEPARTMENT**  
County Hall,  
Town Centre, Tallaght,  
Dublin 24.

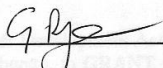
Telephone: 01-414 9000  
Fax: 01-414 9104  
E-Mail: [planning.dept@sdblincoco.ie](mailto:planning.dept@sdblincoco.ie)

6. Noise due to the normal operation of the proposed development, expressed as Laeq over 15 minutes in a noise sensitive location, shall not exceed the background level for the night time.  
REASON: In the interest of public health.
7. Noise due to the normal operation of the proposed development, expressed as Laeq over 1 hour at the façade of a noise sensitive location, shall not exceed the daytime background level by more than 10 d B (A).  
REASON: In the interest of public health.
8. No additional advertising sign(s) or structure(s) shall be erected except those, which are exempted development, without the prior approval of the Planning Authority or An Bord Pleanala on appeal.  
REASON: In the interest of the proper planning and development of the area.

Note 1: The applicant/developer is advised that under the provisions of Section 34 (13) of the Planning and Development Act 2000 a person shall not be entitled solely by reason of a permission to carry out any development.

Note 2: The applicant/developer is advised that in the event of encroachment or oversailing of adjoining property, the consent of the adjoining property owner is required.

Signed on behalf of the South Dublin County Council.

  
for **Senior Executive Officer** 16-Mar-2006

Waste Collection Permit

17-OCT-2006 10:08 FROM:TONGE INDUSTRIES LTD 014149806 TO:92761561 P.3/3



Waste Management (Collection Permit) Regulations, 2001, as amended.  
Waste Management Acts 1996 to 2003

**WASTE COLLECTION PERMIT**

Permit Register Reference Number CP D 874/6

Dublin City Council, being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2003, has granted a waste collection permit to:

**Tonge Industries Limited** herein after called the Permit Holder

of **Unit 7A, First Avenue, Cookstown Industrial Estate, Tallaght, Dublin 14**

from **14<sup>th</sup> August 2006**

by Manager's Order Number **ENG 854 /2006** which is now subject to the attached schedule of conditions.

The Permit Holder is authorised by this permit to collect waste type(s) specified in appendix A and transfer waste to the facilities outlined in Appendix B using vehicle(s) specified in Appendix C in the following local authority areas:

Dublin City Council  
Fingal County Council  
South Dublin County Council  
Dun-laoghaire/Rathdown County Council

Signed:   
Tom Loftus  
HEAD OF WASTE MANAGEMENT SERVICES  
Date: 14<sup>th</sup> August 2006

Notice to Planning Authority of application for waste licence



**Environmental Efficiency**  
Consulting Engineers

Parnell House,  
19 Quinsboro Road,  
Bray Co. Wicklow,  
Ireland.

18/05/07

Planning Department  
South Dublin County Council  
County Hall  
Tallaght  
Dublin 24

**Re: Notification of the Application for a Waste Licence**

Dear Sir/Madam

Tonge Industries Ltd, Unit 7, Cookstown Industrial Estate, Tallaght, Dublin 24 intends to apply to the Environmental Protection Agency for a waste licence for their activities at the aforementioned premises.

The activities belong to the classes described in the fourth schedule of the Waste Management Acts, 1996-2003 as:

**Principal activity:**

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

**Other Activities:**

8. *Oil re-refining or other re-uses of oil.*

If you have any question I can be contacted on 01 2761428 or [jdowling@energy.iol.ie](mailto:jdowling@energy.iol.ie).

Yours sincerely,



Jonathan Dowling

On behalf of Tonge Industries Ltd

Tel: 353 1 276 1428 Fax: 353 1 276 1561 Email: [energy@iol.ie](mailto:energy@iol.ie)

[www.enviro-consult.com](http://www.enviro-consult.com)

Registered Office as above. Registered Number 243 412  
Directors : Noel J. McGrath, Robert B. Sutcliffe (British)



**Attachment B.4**

*Not applicable*

*For inspection purposes only.  
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**Attachment B.5**

Not applicable

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

**Attachment B.6****Site notice**

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

Tonge Industries Limited, Unit 7, First Avenue, Cookstown Industrial Estate, Tallaght, Dublin 24 intends to apply for a Waste Licence for their transformer repair and recycling facility at the same address.

The relevant waste disposal and recovery activities, as per the Fourth Schedule of the Waste Management Acts 1996-2003 to which this application relates are:

Fourth Schedule – Waste Recovery Activities

**Principal activity:**

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

Quantity of metals: 625 tonnes/annum

**Other Activities:**

8. *Oil re-refining or other re-uses of oil.*

Quantity of oil: 600,000 litres/annum

A copy of the application for the licence may be inspected at or obtained from the headquarters of the Environmental Protection Agency as soon as is practicable after the receipt by the Agency of the Application for this licence.

*WASTE Application Form*

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

The location of the site notice is shown on Map 2

**Newspaper notice**

A copy of the Tallaght Echo is attached to the application

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**Attachment B.7**

**Waste Management Acts 1996-2003**

**Fourth Schedule - Waste Recovery Activities**

Principal Activity: Recycling or reclamation of metals and metal compounds  
Tonge Industries dismantle transformers. The metal from the transformers is segregated and collected by a licensed contractor.

Other Activity: Oil refining or other re-uses of oil  
Nearly all load bearing transformers in electric power delivery systems are filled with transformer oil. The oil functions both as an electrical insulation and as a heat transfer fluid. The oil is a petroleum-based insulating oil, refined specifically to meet the requirements of this application. During the dismantling of the transformers, the oil is sucked out of the transformers to a banded storage tank. The oil is then collected by a licensed contractor.

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**Attachment B.8**

Not applicable

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## Attachment C.1

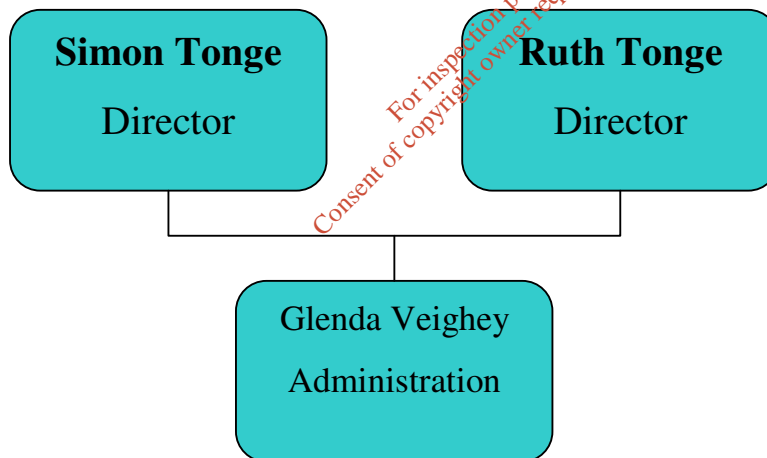
### Management Structure

The management structure for the activity is provided in the organisational chart (see **Figure 1**). Those persons highlighted in bold print on the organisational chart form part of the environmental team and as such have responsibility for creating, enforcing and providing data for environmental policies and monitoring.

An Environmental Management System has been implemented at the Millennium Park site. This will aid in identifying, monitoring and controlling the environmental aspects of the business. The EMS has received ISO14001 certification. As part of the EMS an environmental policy has been written, this is provided in this section. Tonge Ind.

A comprehensive Quality Management System is also in place for the activities carried out at the site. The Quality Management System has received ISO 9001 certification. This has been provided and communicated to all employees. In addition a selection of Quality System procedures currently in place is provided.

The company also operates a Safety Management System which has been communicated to all staff.



**Figure 1 Management Structure**



Attachment C.2

EMS accreditation

An environmental management system has been implemented at Tonge Ind. The EMS has achieved ISO 14001.



### **Assessment of Environmental Performance**

The following sections are from the Environmental Manual for Tonge Industries. The sections outline Tonge's commitment to ongoing assessment of the company's environmental performance.

## **Monitoring and Measurement**

### **(ISO 14001 reference 4.5.1)**

The Organisation has developed and maintains documented procedures to monitor and measure on a regular basis the key characteristics of its operations and activities that can have a significant effect on the environment.

Where there is equipment used monitoring the level of impact, a process or action within the Organisation has on the environment the equipment will be subject to control and calibration at defined periods. Where this is a requirement, it will be controlled through the Organisation's Quality Management System

The Organisation has developed and maintains a documented procedure for periodically evaluating compliance with relevant environmental legislation and regulations.

## **Internal Audit**

### **(ISO 14001 reference 4.5.5)**

The Organisation has a programme and procedures for conducting periodic audits, in order to see if the environmental management system:-

- Conforms to planned arrangements for environmental management
- Has been properly implemented and maintained
- Provides information on the results of audits to management.

The audit programme and procedures cover:

- The activities and areas to be considered in audits
- The frequency of audits
- The responsibilities associated with managing and conducting audits
- The communication of audit findings
- Auditor competence
- How audits will be conducted.

The audit programme, including the schedule, is based on the environmental importance of the activity concerned and the results of previous audits.

# Management Review

## (ISO 14001 reference 4.6)

The top management of Tonge Industries Limited reviews the environmental management system at least annually to ensure its continuing suitability, adequacy and effectiveness.

The review addresses the need for changes to policy, objectives and other elements of the environmental management system, in the light of progress towards and achievement of objectives and targets, internal and external audit results, changing circumstances and legislation and the commitment to continual improvement.

Reviews include

- Results from audits
- The extent to which objectives and targets have been met
- The continuing suitability of the Environmental Management System in relation to changing conditions and information
- Concerns amongst relevant interested parties.
- Any new or changes to environmental legislation.

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**Attachment C.3**

**Hours of operation**

Monday – Friday 08:00 – 18:00

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**Attachment C.4**

Not applicable

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## Attachment D.1

### Infrastructure & Operation

- (a) The site is protected on three sides by a 0.5m wall with a 2m fence on top. There is a car parking area to the front of the site. There are offices to the front of the building.
- (b) Not applicable. The site is located in an industrial estate with well developed roads. There will be no need for new access roads.
- (c) The entire site is a hard standing area. The yard areas and factory floor have a double layer of concrete with sheets of plastic separating the layers. Surface water run-off from the site discharges to surface water sewer via an oil interceptor.
- (d) The building on site is 1519 m<sup>2</sup> in area. The building contains offices and the shop floor (details in Attachment D.2). A bund oil tank is located at the rear of the building.
- (e) Not applicable.
- (f) Not applicable.
- (g) Small amounts of diesel for the hot washer, petrol for the con saw and forklift gas are stored on site. There is no designated refueling area. Any spills are soaked up with absorbent material.
- (h) The majority of the waste received by Tonge is transformers from the ESB. No loads are rejected, therefore there is no waste quarantine area at Tonge. Leaking transformers are bagged during transport and are transferred immediately to the dismantling area on arrival at Tonge Ind.
- (i) Waste is inspected on arrival at Tonge Ind.
- (j) Traffic to and from the site is insignificant, therefore, there are no traffic controls necessary.
- (k) Existing sewers and drains are used. All surface water passes through an interceptor before entering drains. No trade effluent is discharged from the site.

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*WASTE Application Form*

- (l) Not applicable.
  
- (m) Not applicable. The main building is the only structure on site. There are no sheds or garages on site.
  
- (n) The offices, toilets and staff areas are located to the front of the building.
  
- (o) Water is supplied through the mains.
  
- (p) Not applicable
  
- (q) Not applicable
  
- (r) Not applicable
  
- (s) Not applicable
- (t) Not applicable
- (u) Not applicable

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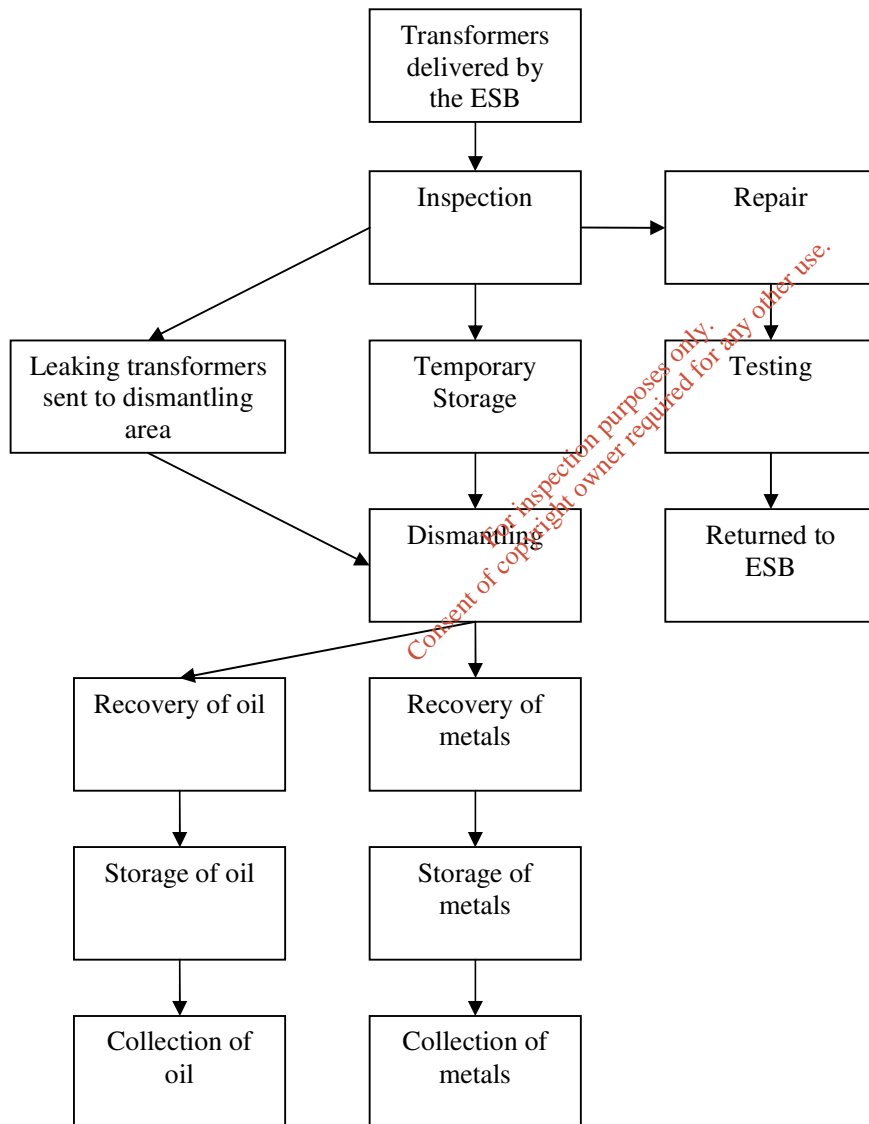
**Attachment D.2**

Introduction

Tonge Industries accept transformers from the ESB. Transformers are either repaired and returned to the ESB or are dismantled. Metal and oil are recovered from the transformers.

Unit processes

Figure 2 shows the flow diagram of the whole process at Tonge Industries. Each step is briefly described below. The locations of the main processes are shown in Map 3 in Attachment B.2



**FIGURE 2 PROCESS FLOW DIAGRAM FOR TONGE INDUSTRIES**



**Delivery of transformers**

- Transformers are delivered in special bins by the ESB.
- Transformers leaking oil are contained in bags.

**Inspection**

- Bins are unloaded and placed in designated areas by KVA size.
- An initial visual inspection is carried out to decide if a transformer will be scrapped or be repaired.
- Leaking transformers are transferred directly to the dismantling area.

**Storage**

- Transformers are stored in the designated areas.
- Transformers are segregated into transformers for repair and transformers for scrap.

**Dismantling**

- Decommissioned transformers are opened by experienced and trained staff using specialised air tools, in the odd case a grinder may be required. Transformers are dismantled in the dismantling area.
- Transformer oil is sucked from the transformer parts during dismantling. The oil is stored in a bunded tank.
- The coils are separated and placed in boxes with sealed bases. The coils are then transferred to a sump to allow any oil remaining in the coils to drain from them. The oil from the sump is then sucked to the bunded oil tank. The coils are returned to the boxes and transported to a licensed waste contractor.
- The core is placed into the transformer casing and removed to the skip.

**Recovery of metals**

- Transformer coils are cut open and the different metals segregated. Metal is placed in pallet sized bins. The bins are moved around the factory by forklift or by pallet truck.

**Recovery of oil**

- Oil is sucked out of the transformers as they are being dismantled into a 13,000 litre holding tank, located at the rear of the site.

**Storage of metals**

- Metals are stored in metal bins in the designated storage area.
- Metals that may have an oily residue are stored in a sump on the factory floor.
- Metal is then transferred to a skip in the yard.
- The bins are sealed and any oily residue remaining in the bins is sucked to the holding tank.

**Storage of oil**

- Oil is sucked to the bunded tank.

**Collection of metals**

- Metals are collected by Hammond Lane Metal Company, Ringsend, Dublin 4 (Waste permit number 119-1) and O'Reilly Recycling Ltd, Unit 2, Grove Industrial Estate (WPT 81).
- Coils are placed in a container and transported to Hammond Lane Metal Company.

**Collection of oil**

- Oil is collected by Enva Ireland Ltd, Clonminam Industrial Estate, Portlaoise, Co. Laois (W0184-01).

## WASTE Application Form

### **Repair of transformers**

- Transformers are repaired in the designated area.

### **Transformer testing**

- Transformers are tested in the test cell.

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**Attachment D.3**

Not applicable

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**Attachment D.4**

Not applicable

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

**Attachment D.5**

Not applicable

*For inspection purposes only.  
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**Attachment D.6**

Not applicable

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## *WASTE Application Form*

### **Attachment E.1**

Not applicable. There are no emissions to atmosphere.

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**Attachment E.2**

Not applicable

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



**Attachment E.3**

Not applicable

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

**Attachment E.4**

Not applicable

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

**Attachment E.5**

Not applicable

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## Attachment E.6

### Fire Control

The following is the fire response procedure contained in the EMS. Actions to be taken by staff in the event of a fire are contained in the company's health and safety procedures.

- 1.1 The actions for staff to take in discovering a fire are set out in the Organisation's health and safety procedures.
- 1.2 Where there is a requirement for the flow of liquids to be terminated the appropriate shut off valves should be closed and any pumps and equipment closed down only if it is safe to do so.
- 1.3 In addition to the requirements through the above and taking into account the size and location of any fire the police must be notified should it be considered that there is a danger of heavy or caustic smoke being emitted and drifting across a road or toward residential property or other industrial properties.
- 1.4 The water authority must also be advised where the fire brigade use copious amounts of water to put out a fire as this may be contaminated or cause difficulties through the volume of water being discharged to the sewage system, the EPA must also be informed if the water enters the storm water dispersion system.

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**Attachment F.1**

*Not applicable*

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**Attachment F.2**

*Not applicable*

*For inspection purposes only.  
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**Attachment F.3**  
*Not applicable*

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**Attachment F.4**

**Surface water and Sewer**

- All surface water on site is collected in drains and sent to the county council surface water sewer via an interceptor. The interceptor is a Klargester Full Retention Separator NS10. Specifications are given in Table 1 below.
- The interceptor is fitted with an OilSET-1000 Oil Separator Alarm Device.

**TABLE 1 INTERCEPTOR SPECIFICATIONS (ALL DIMENSIONS IN MM)**

Unit Nominal Size.	Flow (l/s)	Drainage Area (m <sup>2</sup> ) PPG-3 (0.018)	Oil Storage Capacity	Litres Length (L)	Unit Dia. (D)	Manhole Cover Dimensions (D1)	Base to Inlet Invert (A)	Base to Outlet Invert (B)	Min. Inlet Invert (E)	Standard Pipework Dia. (C)
NS10	10	555	100	2610	1225	600x900	1050	1000	500	200

**FIGURE 3 INTERCEPTOR DIAGRAM**



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



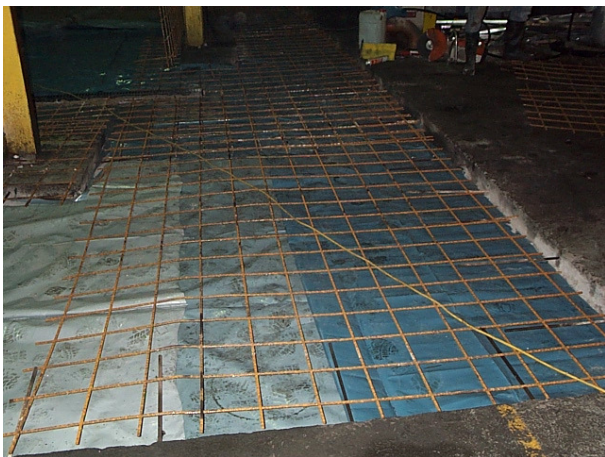
**Attachment F.5**

**Groundwater**

Tonge Industries have made every effort to ensure that there is no risk to groundwater at their site.

- A layer of plastic was placed below a second floor when it was laid (see Photo 1).
- A layer of plastic was placed below the concrete in the yard (see Photo 2).

**PHOTO 1**



**PHOTO 2**



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**Attachment F.6**

A noise survey was carried out. Noise was monitored at two locations: NL1 and NL2. The noise monitoring locations can be seen on Map 2.

There are no noise sensitive locations near the site.

Noise monitoring is not required.

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**Attachment F.7**

Not applicable

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**Attachment F.8**

Not applicable

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

**Attachment F.9**

Not applicable

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**Attachment G.1**

Table 2 details the raw materials and other chemicals stored on site.

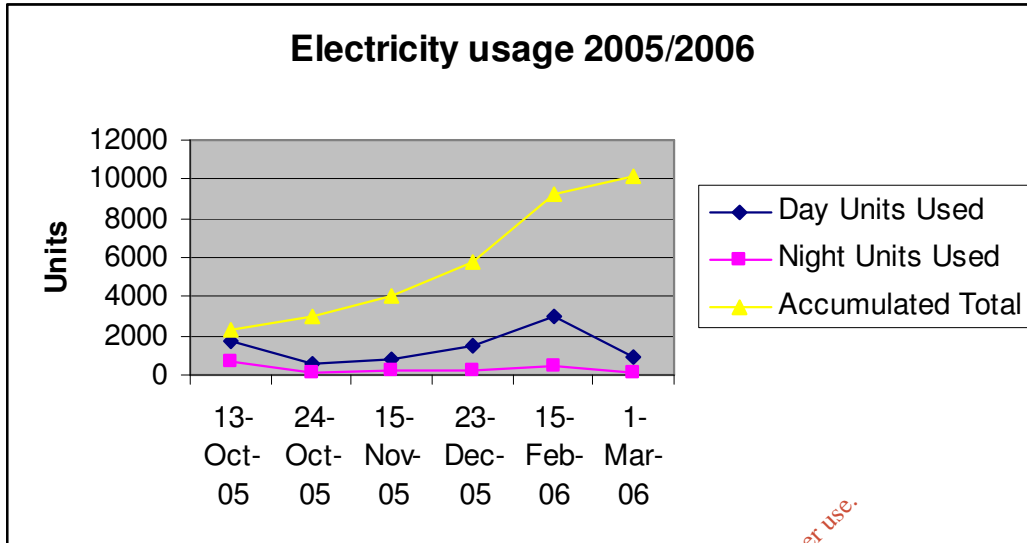
**TABLE 2 QUANTITIES OF RAW MATERIALS STORED ON SITE**

<b>Chemical</b>	<b>Quantity stored on-site</b>	<b>Quantity used annually</b>
Forklift gas	5 x 18kg units	80 units
Butane gas	2 x 13.3kg units	2 units
Oxygen	1 x 80kg units	3 units
Dissolved acetylene	1 x 80kg units	3 units
White spirits	1 litre	4 litres
Diesel for hot washer	6 litres	40 litres
Petrol for con saw	6 litres	40 litres
Oil for machinery e.g. brake fluid & hydraulic oil	5/6 containers	5 litres

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**Attachment G.2**

Electricity is the principal source of energy at Tonge Ind. A small quantity of forklift gas and petrol for the con saw is also used on site. Details of the quantities used are found in Attachment G.1.



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Attachment H.1

The following test results were obtained when transformer oil from Tonge Ind. was analysed for PCBs.

# CAL

**CHEMICAL ANALYSIS LABORATORY**  
Department of Biochemistry Trinity College Dublin 2 Ireland  
Tel. (Dublin) 6081574/6714657 Fax. (Dublin) 6772400

**CONFIDENTIAL REPORT**

Our ref : W3872  
Lab No : 9711

CLIENT : Mr. Edward Tonge, Jr., E & J Tonge Industries Ltd., Unit 20, Corrig Road,  
Sandyford Industrial Estate, Foxrock, Dublin 18.

SAMPLE I.D. : Transformer oil.

DATE RECEIVED : 06/3/96

ANALYSIS REQUESTED : Broad-scan GC-MS and Total PCB's

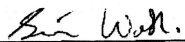
.....  
**REPORT**

TEST	RESULT
Poly Chlorinated Biphenyls	< 10 µg/l

**GC-MS ANALYSIS**

Sample 9711 was found to be hydrocarbon oil. The majority is a large 'hump' of unresolved alkanes, similar to lubricating oils like engine oil. Superimposed on the hump are some sharply defined straight chain alkanes (C<sub>17</sub>, C<sub>18</sub>, C<sub>19</sub>). The overall mixture is similar to that observed in some hydraulic oils.

-see enclosed Chromatogram.

  
Sean Walsh.

11 April 1996.



WASTE Application Form

**TABLE 3 ESTIMATED QUANTITIES OF WASTE TO BE HANDLED IN THE NEXT FIVE YEARS**

<b>Material</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Metal (tonnes)	625	625	640	655	670
Oil ( litres)	600,000	600,000	615,000	630,000	645,000

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## Attachment H.2

### Waste Acceptance Procedure at Tonge Ind.

1. Transformers arrive to Tonge Ind. in bins delivered by the ESB.
2. They are unloaded from the bins and placed in designated areas by KVA size.
3. They are visually inspected, tested and segregated again into repair or decommission.
  - a. Leaking transformers arrive in bags in order to prevent the spillage of oil.
  - b. Leaking transformers are transferred directly to the dismantling area.
4. Tonge Industries also accept metal waste from other sources. All metal is visually inspected in the inspection area. Only uncontaminated metal is accepted.

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### Attachment H.3

#### Waste Handling Procedure at Tonge Ind.

1. The decommission transformers are opened by experienced and trained personnel using specialised air tools, or in the odd case a grinder might be used.
2. The oil is sucked out of the transformer into a bunded tank.
3. The oil is then collected by a licensed contractor.
4. The coils are separated and placed in boxes with sealed bases. The coils are taken out to allow any remaining oil to drain to a sump. The oil from the sump from the sump is sucked to the bunded oil tank. The coils are returned to the boxes, in which they are transported.
5. The core of the transformer is placed in the transformer casing and removed to the ship.
6. Segregated metals are stored in easy movable pallet side boxes or bins and are moved around the premises via forklift or pallet truck.

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**Attachment H.4**

Not applicable

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**Attachment I.1**

**Assessment of atmospheric emissions**

There are no emissions to atmosphere.

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**Attachment I.2**

**Assessment of impact on receiving surface waters**

Not applicable.

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### Attachment I.3

#### Assessment of impact of sewer discharge

There is no trade effluent generated on site. Uncontaminated surface water from the site discharged to county council surface water sewer via an interceptor (see Attachment F.4). There is no significant impact of sewer discharge.

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**Attachment I.4**

**Assessment of impact of ground/groundwater emissions**

Not applicable.

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**Attachment I.5**

**Impact on ground and groundwater**

Not applicable.

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**Attachment I.6****Noise**

A noise survey was carried out on 14<sup>th</sup> August 2007

**Noise Locations**

NL1 – At front entrance to the site

NL2 – At rear of the site

Noise locations are shown on Map 2 in Attachment B.2.

**TABLE 4 NOISE SURVEY RESULTS**

Noise Parameter	NL1	NL2
L <sub>eq</sub>	59.9	58.2
L <sub>10</sub>	62.8	55.5
L <sub>90</sub>	45.9	44.4

- The site is in an industrial area with no noise sensitive areas nearby.
- Trucks on the road give rise to the background noise

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### Attachment I.7

Not applicable.

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## Attachment J

The following procedure is the emergency response procedure for Tonge Industries. The procedure is contained in the Environmental Management System.

EP 11 Issue: 1 Page 1 of 3 Revision: 0 Effective Date: 20/07/2006

Emergency Preparedness

Reference 4.4.7 Emergency preparedness and response

This document has been reviewed by and is approved for use by: .....

### 2. Introduction and Scope

2.1 To ensure that in the actual event of an emergency, the Organisation shall respond in such a way to prevent or mitigate associated adverse environmental effects. Fire along with Spillage either through transfer of materials, accidental spillage or failure of equipment are considered as being the identified potential cause of an environmental emergency.

### 3. Responsibilities

3.1 The Management Environmental Representative has overall responsibility for the implementation of this procedure.

### 4. Definitions

4.1 Spillage can be applicable to airborne leakage and solids as well as fluids, the solids are the likes of granules and powders, airborne leaks would be potential airborne particles and odours from a process or equipment.

### 5. Procedure

#### **Fire**

5.1 The actions for staff to take in discovering a fire are set out in the Organisation's health and safety procedures.

5.2 Where there is a requirement for the flow of liquids to be terminated the appropriate shut off valves should be closed and any pumps and equipment closed down only if it is safe to do so.

5.3 In addition to the requirements through the above and taking into account the size and location of any fire the police must be notified should it be considered that there is a danger of heavy or caustic smoke being emitted and drifting across a road or toward residential property or other industrial properties.

5.4 The water authority must also be advised where the fire brigade use copious amounts of water to put out a fire as this may be contaminated or cause difficulties through the volume of water being discharged to the sewage system, the EPA must also be informed if the water enters the storm water dispersion system.

#### **Spillage**

##### **Small Spills (liquids)**

5.5 A small spill is one in which the spillage is not spreading and can be easily coped with via wiping up with a cloth, paper wipe or a little absorbent material and does not pose any immediate threat to health, safety or the environment.

5.6 Firstly ensure that any required personnel protective equipment is worn before progressing to ensure the cause of the spillage has been stopped, if necessary, bund the spillage to minimise any spread of the fluid (this is particularly important when there is a possibility of the fluid entering the drainage system).

5.7 Once satisfied the cause of the spillage has been contained and there is no further leakage, use the absorbent material from a spill kit to clean up the spillage. If the material that has been soaked up is considered as special waste the absorbent material and any other materials such as cloths etc. are to be disposed of as such and not placed in the normal waste containers. See the Management Environmental Representative should there be any queries in this regard.

##### **Significant spills (liquids)**

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- 5.8 A significant spill is one that starts to spread from the area in which it originated and/or there is a large volume of liquid that is more than can be handled with a straightforward clean up with a small amount of absorbent material or is a material that is of danger to health, safety or the environment.
- 5.9 Where the material is a chemical or is unknown evacuate the area immediately and advise the Management Environmental Representative or in their absence another member of the management team.
- 5.10 Where the material poses a fire risk ensure that all sources of ignition are controlled and the area is well ventilated and the emergency services contacted as required.
- 5.11 Before any action is taken to control the spill ensure that any applicable personnel protective equipment is worn.
- 5.12 Where such a spill occurs the source of the spill should be closed off/sealed and the spill kits that are available at key points should be used to provide a temporary bund to stop the spread of the liquid. If there is insufficient material to stem the spread of liquid then additional materials should be obtained for the bund as available i.e. sand or other absorbent inert materials. Where there is a drain in the vicinity concentration of effort should be focused on avoiding the liquid entering into the drain.

### Significant spills (liquids)

- 4.13 The spill should be cleaned up using the most appropriate method, this may be with the provided absorbent materials, or in serious cases with specialist equipment (this may be via the use of a sub-contractor). Disposal of the waste must be appropriate to the material that has been spilled and where this has to be treated as special waste any contaminated material is to be kept segregated from normal waste while the appropriate arrangements for its disposal are made.
- 4.14 Spills must not be washed down the drain. Where the spill enters the drainage system the local water authority is to be informed, this is to be recorded on a Corrective Action Report (EMF 04) - see EP 08 - Communication.
- 4.15 Where a spill is from a vehicle either in the form of fuel or oil, if running the engine must be switched off immediately. Where the leakage is significant action should be taken to bund the area of the leak with an appropriate inert material to avoid it spreading and entering the drainage system or contaminating any land or water course, the emergency services should be contacted as appropriate.

### Spills - Solids

- 4.16 Spillage of solid materials such as powders etc. must be cleaned up when they occur, if the material cannot be processed through the normal disposal method the material is to be disposed of in a manner appropriate for the material. Where the spillage enters the drains the Management Environmental Representative or the Managing Director is to be informed so the impact can be assessed and arrangements made for any potential blockage to be avoided or cleared.
6. Documents
- 6.1 Significant spills should be considered as a not-conformance and recorded on a Corrective Action Report (EMF 04) a copy of which shall be submitted to the Environmental Representative.

## Attachment K

A restoration plan is not required for the site at which Tonge Ind. operates. The site is an industrial site that is completely hard standing. There are no major emissions from the site and there is no little risk to ground or groundwater. Tonge Ind. has put in place a number of measures to ensure that the activities on site have no environmental impact.

- The site is completely hard standing
- The pyrolysis oven has been decommissioned.
- The dismantling area has been upgraded in 2007 to further improve the containment of oil on site.
- Two spill kits are available on site in case of a spill.

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## **Attachment L.1**

There is no BAT guidance document that applies specifically to the repair and decommissioning of transformers. However, Tonge Industries are continually improving processes on site. Equipment is maintained regularly and upgraded when necessary.

- Tonge have installed a full retention interceptor (see Attachment F.4 for details) on the drain leading to the sewer. All surface water drains to the interceptor. Enva clean all drains and the interceptor every 6 months.
- The oil tank onsite is located in a bund of sufficient capacity.
- Tonge have implemented an Environmental Management System.

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Attachment L.2

In all correspondence please quote:  
Registration No: 45995661  
NOTICE NO: 04599566-28029F



William F. Fadden  
Dublin Region South County District  
Customer Services, Plaza Complex  
Beigard Road, Tallaght  
Dublin 24.

V4 4 620 2438 820 2438 08000710022

TONGE INDUSTRIES LTD  
UNIT 7  
FIRST AVENUE  
COOKSTOWN INDUSTRIAL ESTATE  
DUBLIN 24

Enquiries: 01 6470700

2nd Jun 2006

**Tax Clearance Certificate**

**Tax Certificate Number: 04599566-28029F**  
Valid Until: 11/7/2007

This Tax Clearance Certificate is issued to the person named above to confirm that the persons tax affairs are in order.

Apart from the Standards in Public Office Act, 2001 (for which a separate Certificate is used), this Certificate may be used in any circumstances where production of a Tax Clearance Certificate is required.

William F. Fadden  
Dublin Region South County District

Queries relating to this certificate should be made to the above address.

I 090903

Revenue 

TC 2  
TC2



## KINANE INSURANCES LIMITED

Mount Prospect House, Clontarf Road, Dublin 3  
Tel: 853 0555 Fax: 853 0548  
www.kinane.ie

INDEPENDENT INSURANCE BROKERS

30/03/2007

### To Whom It May Concern:

We act as Insurance Brokers for Tonge Industries Ltd. Unit 7, Cookstown Industrial Est. Tallaght, Dublin 24.

We set out below details of their existing Employers, Public and Products Liability Insurance covers :

#### Employers Liability Insurance

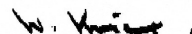
Insurer	:	Eagle Star Insurance
Policy Number	:	01 CCP 9123819
Period of Insurance	:	20 <sup>th</sup> December 2006 to 19 <sup>th</sup> December 2007
Limit of Indemnity	:	€13,000,000 Any one event unlimited during the period of insurance

#### Public/Products Liability Insurance

Insurer	:	Eagle Star Insurance
Policy Number	:	01 CCP 9123819
Period of Insurance	:	20 <sup>th</sup> December 2006 to 19 <sup>th</sup> December 2007
Limit of Indemnity	:	€3,900,000 Any one occurrence

This is a brief synopsis only and does not include full policy terms and conditions. We trust this is the information you require. If you should have any queries please do not hesitate to contact me.

Yours faithfully,

  
Willie Kinane  
Director

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Kinane Insurances Ltd is regulated by the Financial Regulator

